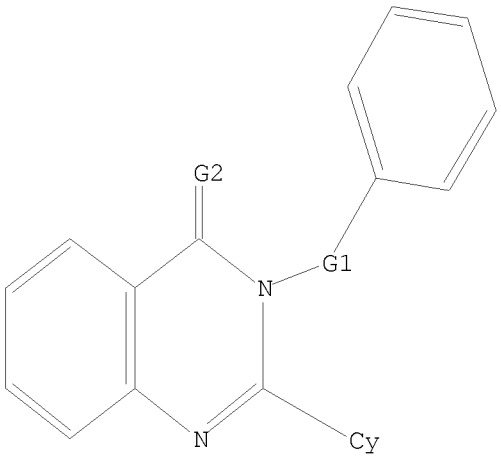
L1 STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1 STR



G1 C,CH2,CH,O,S,N,NH
G2 O,S,N

Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 10:09:56 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 2978 TO ITERATE

67.2% PROCESSED 2000 ITERATIONS 27 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 56287 TO 62833
PROJECTED ANSWERS: 424 TO 1184

L2 27 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 10:10:04 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 60400 TO ITERATE

100.0% PROCESSED 60400 ITERATIONS 831 ANSWERS
SEARCH TIME: 00.00.02

L3 831 SEA SSS FUL L1

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=> file caplus
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                         ENTRY    SESSION
FULL ESTIMATED COST                                     185.88     186.10

FILE 'CAPLUS' ENTERED AT 10:10:10 ON 20 MAR 2009
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FILE COVERS 1907 - 20 Mar 2009  VOL 150 ISS 13
FILE LAST UPDATED: 19 Mar 2009  (20090319/ED)

Caplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

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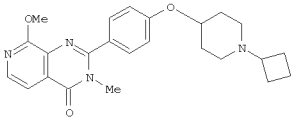
This file contains CAS Registry Numbers for easy and accurate
substance identification.

=> s l3
L4          84 L3

=> d ibib abs hitstr tot
```

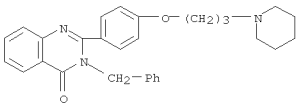
L4 ANSWER 1 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2008:1372374 CAPLUS
DOCUMENT NUMBER: 150:266
TITLE: Development of novel 2-[4-(aminoalkoxy)phenyl]-4(3H)-quinazolinone derivatives as potent and selective histamine H3 receptor inverse agonists
AUTHOR(S): Mizutani, Takashi; Nagase, Tsuyoshi; Ito, Sayaka; Miyamoto, Yasuhisa; Tanaka, Takeshi; Takenaga, Norihiro; Tokita, Shigeru; Sato, Nagaaki
CORPORATE SOURCE: Tsukuba Research Institute, Merck Research Laboratories, Banyu Pharmaceutical Co., Ltd., 3 Okubo, Tsukuba, Ibaraki, 300-2611, Japan
SOURCE: Bioorganic & Medicinal Chemistry Letters (2008), 18(23), 6041-6045
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



I

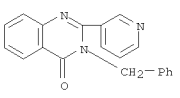
AB Novel 2-[4-(aminoalkoxy)phenyl]-4(3H)-quinazolinone derivs. were identified as potent human H3 receptor inverse agonists. After systematic modification of lead 5a, the potent and selective analog 5r (I) was identified. Elimination of hERG K+ channel and human α1A-adrenoceptor activities is the main focus of the present study.
IT 870996-48-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
((aminoalkoxy)phenyl quinazolinone derivs. as histamine H3 receptor inverse agonists)
RN 870996-48-8 CAPLUS
CN 4(3H)-Quinazolinone, 3-(phenylmethyl)-2-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)

L4 ANSWER 1 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



REFERENCE COUNT: 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2008:1074241 CAPLUS
DOCUMENT NUMBER: 149:493608
TITLE: An efficient synthesis of 2,3-diaryl-(3H)-quinazolin-4-ones via imidoyl chlorides
AUTHOR(S): Kalusa, Andrew; Chessum, Nicola; Jones, Keith
CORPORATE SOURCE: Cancer Research UK Centre for Cancer Therapeutics, The Institute of Cancer Research, Surrey, Sutton, SM2 5NG, UK
SOURCE: Tetrahedron Letters (2008), 49(41), 5840-5842
CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER: Elsevier Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 149:493608
AB A practical and efficient 3-step synthetic route to 2,3-diaryl-(3H)-quinazolin-4-ones was developed. The key step involves microwave-assisted condensation of an imidoyl chloride with an aryl amine.
This methodol. affords the products cleanly and in high yields.
IT 450378-15-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of arylquinazolinone by microwave-assisted condensation of imidoyl chloride with aryl amine)
RN 450378-15-1 CAPLUS
CN 4(3H)-Quinazolinone, 3-(phenylmethyl)-2-(3-pyridinyl)- (CA INDEX NAME)



REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

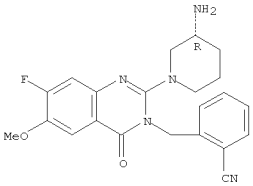
L4 ANSWER 3 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2008:779820 CAPLUS
DOCUMENT NUMBER: 149:118693
TITLE: Discovery of alogliptin: A potent, selective, bioavailable, and efficacious inhibitor of dipeptidyl peptidase IV. [Erratum to document cited in CA147:045193]
AUTHOR(S): Feng, Jun; Zhang, Zhiyuan; Wallace, Michael B.; Stafford, Jeffrey A.; Kaldor, Stephen W.; Kassel, Daniel B.; Navre, Marc; Shi, Lihong; Skene, Robert J.; Asakawa, Tomoko; Takeuchi, Koji; Xu, Rongda; Webb, David R.; Gwaltney, Stephen L.
CORPORATE SOURCE: Takeda San Diego, Inc., San Diego, CA, 92121, USA
SOURCE: Journal of Medicinal Chemistry (2008), 51(14), 4357
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
AB On page 2297, Figure 1 is incorrect; the correct version of the figure is given. On page 2298, Figure 4 is incorrect; the correct version of the figure is given.
IT 769157-65-5P 769157-71-3P 940907-93-7P 940907-94-8P 940907-95-9P 940907-97-1P 940907-99-3P 940908-00-9P 940908-01-0P 940908-02-1P 940908-03-2P 940908-05-4P 940908-07-6P
RL: PAC (Pharmacological activity); PKT (Pharmacokinetics); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(discovery of alogliptin, a potent, selective, bioavailable, and efficacious inhibitor of dipeptidyl peptidase IV (Erratum))
RN 769157-65-5 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-7-fluoro-6-methoxy-4-oxo-3(4H)-quinazolinyl]methyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 769157-64-4
CMF C22 H22 F N5 O2

Absolute stereochemistry.

L4 ANSWER 3 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



CM 2

CRN 76-05-1
CMF C2 H F3 O2

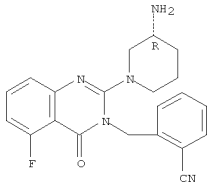
RN 769157-71-3 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-5-fluoro-4-oxo-3(4H)-quinazolinyl]methyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 769157-70-2
CMF C21 H20 F N5 O

Absolute stereochemistry.

L4 ANSWER 3 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

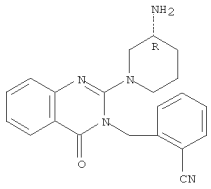


CM 2

CRN 76-05-1
CMF C2 H F3 O2

RN 940907-93-7 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-4-oxo-3(4H)-quinazolinyl]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



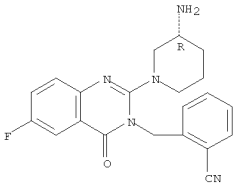
RN 940907-94-8 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-6-fluoro-4-oxo-3(4H)-quinazolinyl]methyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

L4 ANSWER 3 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

CM 1

CRN 769158-14-7
CMF C21 H20 F N5 O

Absolute stereochemistry.



CM 2

CRN 76-05-1
CMF C2 H F3 O2

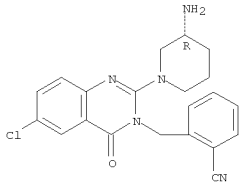
RN 940907-95-9 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-6-chloro-4-oxo-3(4H)-quinazolinyl]methyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 769157-63-3
CMF C21 H20 Cl N5 O

Absolute stereochemistry.

L4 ANSWER 3 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



CM 2

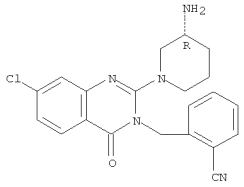
CRN 76-05-1
CMF C2 H F3 O2

RN 940907-97-1 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-7-chloro-4-oxo-3(4H)-quinazolinyl]methyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 940907-96-0
CMF C21 H20 Cl N5 O

Absolute stereochemistry.



CM 2

L4 ANSWER 3 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

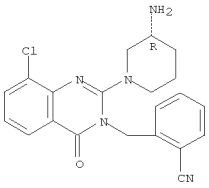
CRN 76-05-1
CMF C2 H F3 O2

RN 940907-99-3 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-8-chloro-4-oxo-3(4H)-quinazolinyl]methyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 940907-98-2
CMF C21 H20 Cl N5 O

Absolute stereochemistry.

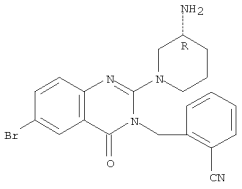


CM 2

CRN 76-05-1
CMF C2 H F3 O2

RN 940908-00-9 CAPLUS
CN Benzonitrile,
2-[[2-[(3R)-3-amino-1-piperidinyl]-6,8-dichloro-4-oxo-3(4H)-

L4 ANSWER 3 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



CM 2

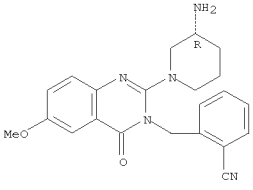
CRN 76-05-1
CMF C2 H F3 O2

RN 940908-02-1 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-6-methoxy-4-oxo-3(4H)-quinazolinyl]methyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 769157-93-9
CMF C22 H23 N5 O2

Absolute stereochemistry.



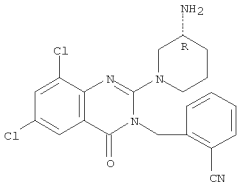
CM 2

L4 ANSWER 3 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
quinazolinyl]methyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 769157-92-8
CMF C21 H19 Cl2 N5 O

Absolute stereochemistry.



CM 2

CRN 76-05-1
CMF C2 H F3 O2

RN 940908-01-0 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-6-bromo-4-oxo-3(4H)-quinazolinyl]methyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 769157-89-3
CMF C21 H20 Br N5 O

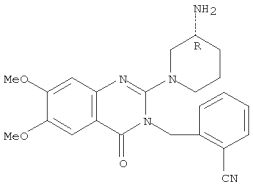
Absolute stereochemistry.

L4 ANSWER 3 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

CRN 76-05-1
CMF C2 H F3 O2

RN 940908-03-2 CAPLUS
CN Benzonitrile,
2-[[2-[(3R)-3-amino-1-piperidinyl]-6,7-dimethoxy-4-oxo-3(4H)-quinazolinyl]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



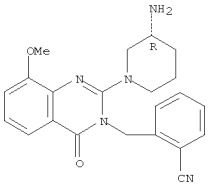
RN 940908-05-4 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-8-methoxy-4-oxo-3(4H)-quinazolinyl]methyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 940908-04-3
CMF C22 H23 N5 O2

Absolute stereochemistry.

L4 ANSWER 3 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



CM 2

CRN 76-05-1
CMF C2 H F3 O2

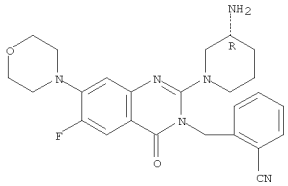
RN 940908-07-6 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-6-fluoro-7-(4-morpholinyl)-4-oxo-3(4H)-quinazolinyl]methyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 769157-95-1
CMF C25 H27 F N6 O2

Absolute stereochemistry.

L4 ANSWER 3 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

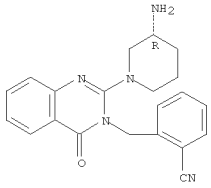


CM 2

CRN 76-05-1
CMF C2 H F3 O2

IT 940907-93-7DP, complex with dipeptidyl peptidase IV
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(discovery of alogliptin, a potent, selective, bioavailable, and efficacious inhibitor of dipeptidyl peptidase IV (Erratum))
RN 940907-93-7 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-4-oxo-3(4H)-quinazolinyl]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



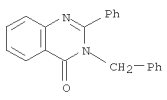
L4 ANSWER 3 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

L4 ANSWER 4 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2007:806311 CAPLUS
DOCUMENT NUMBER: 147:385926
TITLE: Automated Liquid-Liquid Extraction Workstation for Library Synthesis and Its Use in the Parallel and Chromatography-Free Synthesis of 2-Alkyl-3-alkyl-4(3H)-quinazolinones
AUTHOR(S): Carpintero, Mercedes; Cifuentes, Marta; Ferritto, Rafael; Haro, Ruben; Toledo, Miguel A.
CORPORATE SOURCE: Centro de Investigacion Lilly, Alcobendas, Madrid, 28108, Spain
SOURCE: Journal of Combinatorial Chemistry (2007), 9(5), 818-822
CODEN: JCCHFF; ISSN: 1520-4766
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 147:385926

AB An automated liquid-liquid extraction workstation has been developed. This module processes up to 96 samples in an automated and parallel mode avoiding the time-consuming and intensive sample manipulation during the workup process. To validate the workstation, a highly automated and chromatog.-free synthesis of differentially substituted quinazolin-4(3H)-ones with two diversity points was carried out using isatoic anhydride as starting material.

IT 19857-37-5P
RL: CPN (Combinatorial preparation); CMBI (Combinatorial study); PREP (Preparation)
(automated liquid-liquid extraction apparatus for combinatorial synthesis of alkylquinazolinones via amidation of isatoic anhydride with amines, acylation of aminobenzamides with carboxylic acids, and heterocyclization of carboxamidobenzamides)
RN 19857-37-5 CAPLUS
CN 4(3H)-Quinazolinone, 2-phenyl-3-(phenylmethyl)- (CA INDEX NAME)



REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 5 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2007:427945 CAPLUS
DOCUMENT NUMBER: 147:45193
TITLE: Discovery of Alogliptin: A Potent, Selective, Bioavailable, and Efficacious Inhibitor of Dipeptidyl Peptidase IV
AUTHOR(S): Feng, Jun; Zhang, Zhiyuan; Wallace, Michael B.; Stafford, Jeffrey A.; Kaldor, Stephen W.; Kassel, Daniel B.; Navre, Marc; Shi, Lihong; Skene, Robert J.; Asakawa, Tomoko; Takeuchi, Koji; Xu, Rongda; Webb, David R.; Gwaltney, Stephen L., II
CORPORATE SOURCE: Takeda San Diego, Inc., San Diego, CA, 92121, USA
SOURCE: Journal of Medicinal Chemistry (2007), 50(10), 2297-2300
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 147:45193

AB Alogliptin is a potent, selective inhibitor of the serine protease dipeptidyl peptidase IV (DPP-4). Herein, the authors describe the structure-based design and optimization of alogliptin and related quinazolinone-based DPP-4 inhibitors. Following an oral dose, these noncovalent inhibitors provide sustained reduction of plasma DPP-4 activity and a lowering of blood glucose in animal models of diabetes. Alogliptin is currently undergoing phase III trials in patients with type 2 diabetes.

IT 769157-65-5P 769157-71-3P 940907-93-7P 940907-94-8P 940907-95-9P 940907-97-1P 940907-99-3P 940908-00-9P 940908-01-0P 940908-02-1P 940908-03-2P 940908-05-4P 940908-07-6P
RL: PAC (Pharmacological activity); PKT (Pharmacokinetics); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(discovery of alogliptin, a potent, selective, bioavailable, and efficacious inhibitor of dipeptidyl peptidase IV)

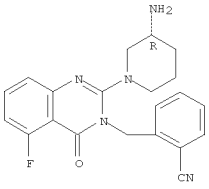
RN 769157-65-5 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-7-fluoro-6-methoxy-4-oxo-3(4H)-quinazolinyl]methyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 769157-64-4
CMF C22 H22 F N5 O2

Absolute stereochemistry.

L4 ANSWER 5 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

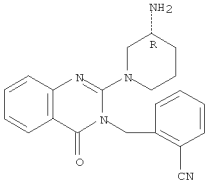


CM 2

CRN 76-05-1
CMF C2 H F3 O2

RN 940907-93-7 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-4-oxo-3(4H)-quinazolinyl]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

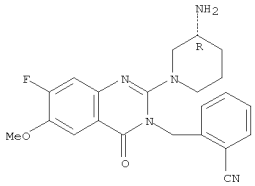


RN 940907-94-8 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-6-fluoro-4-oxo-3(4H)-quinazolinyl]methyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 769158-14-7

L4 ANSWER 5 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



CM 2

CRN 76-05-1
CMF C2 H F3 O2

RN 769157-71-3 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-5-fluoro-4-oxo-3(4H)-quinazolinyl]methyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

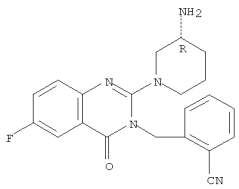
CM 1

CRN 769157-70-2
CMF C21 H20 F N5 O

Absolute stereochemistry.

L4 ANSWER 5 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
CMF C21 H20 F N5 O

Absolute stereochemistry.



CM 2

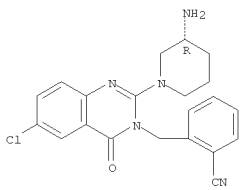
CRN 76-05-1
CMF C2 H F3 O2

RN 940907-95-9 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-6-chloro-4-oxo-3(4H)-quinazolinyl]methyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 769157-63-3
CMF C21 H20 Cl N5 O

Absolute stereochemistry.



L4 ANSWER 5 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

CM 2

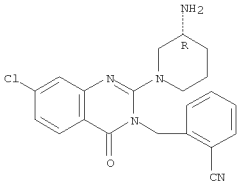
CRN 76-05-1
CMF C2 H F3 O2

RN 940907-97-1 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-7-chloro-4-oxo-3(4H)-quinazolinyl]methyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 940907-96-0
CMF C21 H20 Cl N5 O

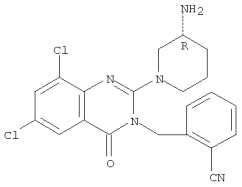
Absolute stereochemistry.



CM 2

CRN 76-05-1
CMF C2 H F3 O2

L4 ANSWER 5 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



CM 2

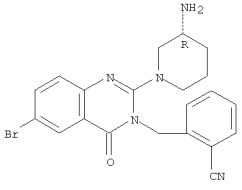
CRN 76-05-1
CMF C2 H F3 O2

RN 940908-01-0 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-6-bromo-4-oxo-3(4H)-quinazolinyl]methyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 769157-89-3
CMF C21 H20 Br N5 O

Absolute stereochemistry.



CM 2

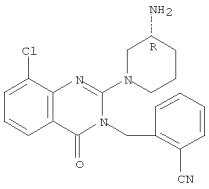
L4 ANSWER 5 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

RN 940907-99-3 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-8-chloro-4-oxo-3(4H)-quinazolinyl]methyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 940907-98-2
CMF C21 H20 Cl N5 O

Absolute stereochemistry.



CM 2

CRN 76-05-1
CMF C2 H F3 O2

RN 940908-00-9 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-6,8-dichloro-4-oxo-3(4H)-quinazolinyl]methyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 769157-92-8
CMF C21 H19 Cl2 N5 O

Absolute stereochemistry.

L4 ANSWER 5 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

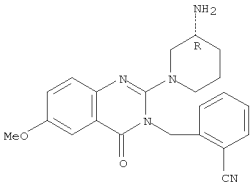
CRN 76-05-1
CMF C2 H F3 O2

RN 940908-02-1 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-6-methoxy-4-oxo-3(4H)-quinazolinyl]methyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 769157-93-9
CMF C22 H23 N5 O2

Absolute stereochemistry.



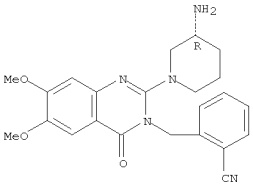
CM 2

CRN 76-05-1
CMF C2 H F3 O2

RN 940908-03-2 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-6,7-dimethoxy-4-oxo-3(4H)-quinazolinyl]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 5 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

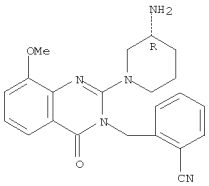


RN 940908-05-4 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-8-methoxy-4-oxo-3(4H)-quinazolinyl]methyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 940908-04-3
CMF C22 H23 N5 O2

Absolute stereochemistry.

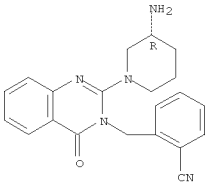


CM 2

CRN 76-05-1
CMF C2 H F3 O2

L4 ANSWER 5 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-4-oxo-3(4H)-quinazolinyl]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

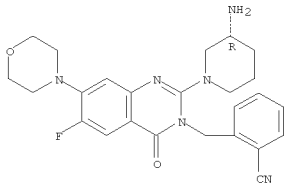
L4 ANSWER 5 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

RN 940908-07-6 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-6-fluoro-7-(4-morpholinyl)-4-oxo-3(4H)-quinazolinyl]methyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 769157-95-1
CMF C25 H27 F N6 O2

Absolute stereochemistry.

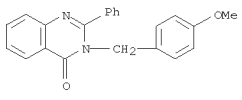


CM 2

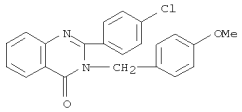
CRN 76-05-1
CMF C2 H F3 O2

IT 940907-93-7DP, complex with dipeptidyl peptidase IV
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(discovery of alogliptin, a potent, selective, bioavailable, and efficacious inhibitor of dipeptidyl peptidase IV)
RN 940907-93-7 CAPLUS

L4 ANSWER 6 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2007:399839 CAPLUS
DOCUMENT NUMBER: 147:52862
TITLE: Hexamethyldisilazane-iodine induced intramolecular dehydrative cyclization of diamides: A general access to natural and unnatural quinazolinones
AUTHOR(S): Kshirsagar, Umesh A.; Mhaske, Santosh B.; Argade, Narshinha P.
CORPORATE SOURCE: Division of Organic Chemistry (Synthesis), National Chemical Laboratory, Pune, 411 008, India
SOURCE: Tetrahedron Letters (2007), 48(18), 3243-3246
CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER: Elsevier Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 147:52862
AB A simple and efficient general approach to various quinazolinone scaffolds, including peptidomimetic examples, has been demonstrated by employing hexamethyldisilazane-iodine-induced intramol. dehydrative cyclization of diamides. The N-protecting groups, such as Boc, Fmoc and Cbz, are tolerated and no racemization of optically active substrates was observed The present protocol has also been used as a key step for the efficient four-step syntheses of the naturally occurring quinazolinones, such as sclerotigenin, (-)-circumdatin-F and (-)-fumiquinazoline-F.
IT 939966-50-4P 939966-52-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(general approach to natural and non-natural quinazolines via hexamethyldisilazane-iodine induced intramol. dehydrative cyclization of o-(acylamino) benzamides)
RN 939966-50-4 CAPLUS
CN 4(3H)-Quinazolinone, 3-[(4-methoxyphenyl)methyl]-2-phenyl- (CA INDEX NAME)



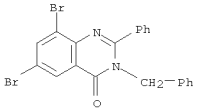
RN 939966-52-6 CAPLUS
CN 4(3H)-Quinazolinone, 2-(4-chlorophenyl)-3-[(4-methoxyphenyl)methyl]- (CA INDEX NAME)



REFERENCE COUNT: 32 THERE ARE 32 CITED REFERENCES AVAILABLE FOR THIS

L4 ANSWER 6 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 7 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2006:932790 CAPLUS
DOCUMENT NUMBER: 147:301089
TITLE: Hetero-ring opening of 6,8-dibromo-2-phenyl-4(H)-3,1-benzoxazin-4-one by nitrogen and carbon nucleophiles
AUTHOR(S): El-Saka, S. S.; Hashash, M. A. E.; Abd. El-Gawad, I. I.; Ahmed, G. E.
CORPORATE SOURCE: Faculty of Education, Suez Canal University, Suez, Egypt
SOURCE: Egyptian Journal of Chemistry (2005), 48(6), 773-780
CODEN: EGJCA3; ISSN: 0449-2285
PUBLISHER: National Information and Documentation Centre
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 147:301089
AB Base-catalyzed hetero-ring opening of the title compound was studied. For instance, reaction with MeCOCH2CO2Et, CH2(CO2Et)2, or CNCH2CO2Et proceeded via ring opening by the carbanion derived from the active methylene compd, followed by deacetylation, deethoxycarbonylation, or decyanation to give 2,3,5-PhCONH(Br)2C6H2COCH2CO2Et in all cases.
IT 143949-61-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(hetero-ring opening of 6,8-dibromo-2-phenyl-4(H)-3,1-benzoxazin-4-one by nitrogen and carbon nucleophiles)
RN 143949-61-5 CAPLUS
CN 4(3H)-Quinazolinone, 6,8-dibromo-2-phenyl-3-(phenylmethyl)- (CA INDEX NAME)



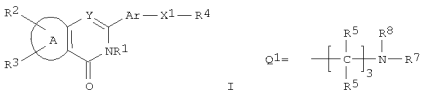
REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 8 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:1288664 CAPLUS
DOCUMENT NUMBER: 144:36366
TITLE: Preparation of quinazoline derivatives as histamine H3 receptor antagonists
INVENTOR(S): Mizutani, Takashi; Nagase, Tsuyoshi; Sato, Nagaaki; Kanatani, Akio; Tokita, Shigeru
PATENT ASSIGNEE(S): Banyu Pharmaceutical Co., Ltd., Japan
SOURCE: PCT Int. Appl., 233 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

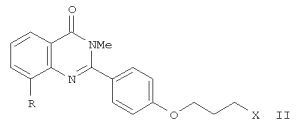
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005115993	A1	20051208	WO 2005-JP10291	20050530
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2005247808	A1	20051208	AU 2005-247808	20050530
CA 2569081	A1	20051208	CA 2005-2569081	20050530
EP 1757594	A1	20070228	EP 2005-745824	20050530
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, LV				
CN 1960977	A	20070509	CN 2005-80017630	20050530
IN 2006DN06865	A	20070831	IN 2006-DN6865	20061117
US 20080275069	A1	20081106	US 2006-628087	20061127
PRIORITY APPLN. INFO.:			JP 2004-162459 A	20040531
			WO 2005-JP10291 W	20050530

OTHER SOURCE(S): MARPAT 144:36366
GI

L4 ANSWER 8 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

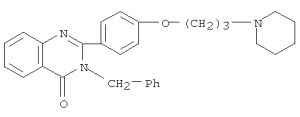


I



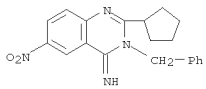
II

AB Title compds. I [R1 = aryl, aralkyl, alkoxy, etc.; further details on R1 are given.; R2, R3 = H, amino, alkylamino, etc.; R4 = Q1, etc.; R5 = H, alkyl, hydroxy, etc.; R7, R8 = alkyl, arylalkyl, heteroarylalkyl, with the proviso that R7 and R8 are not alkyl simultaneously; X1 = NH, O, S; Y = N, C; Ar = optionally substituted aryl, heteroaryl with alkyl, alkoxy, halo; ring A = Ph, heteroaryl containing N, O] were prepared For example, reaction of 2-(4-hydroxyphenyl)-3,8-dimethyl-4(3H)-quinazolinone, e.g., prepared from 3-methyl-2-aminobenzoic acid in 3 steps, with 1-chloro-3-bromopropane and K2CO3 followed by in-situ treatment with piperidine afforded compound II [R = methyl; X = piperidin-1-yl]. In histamine analog binding inhibition assays, the IC50 value of compound II [R = H; X = pyrrolidin-1-yl] was 0.68 nM. Compds. I are claimed useful for the treatment of diabetes, obesity, etc.
IT 870996-48-8P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of quinazoline derivs. as histamine H3 antagonists for treatment of obesity, diabetes, etc.)
RN 870996-48-8 CAPLUS
CN 4(3H)-Quinazolinone, 3-(phenylmethyl)-2-[4-[3-(1-piperidinyl)propoxy]phenyl]- (CA INDEX NAME)



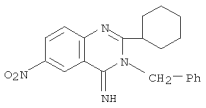
L4 ANSWER 8 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
REFERENCE COUNT: 55 THERE ARE 55 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 9 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:460917 CAPLUS
DOCUMENT NUMBER: 143:153336
TITLE: Single step synthesis of 2,3-dialkyl-6-nitro-quinazolin-4(3H)-imines and 3,5-dialkyl-9-nitro-imidazo[1,2-c]quinazolin-2(3H)-ones
AUTHOR(S): Erba, Emanuela; Pocar, Donato; Trimarco, Pasqualina
CORPORATE SOURCE: Istituto di Chimica Organica Alessandro Marchesini' e Centro Interuniversitario di Ricerca sulle Reazioni Pericicliche e Sintesi di Sistemi Etero- e Carbociclici, Universita degli Studi di Milano, Milan, I-20133, Italy
SOURCE: Tetrahedron (2005), 61(24), 5778-5781
CODEN: TETRAB; ISSN: 0040-4020
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 143:153336
AB A single step synthesis of 2,3-dialkyl-6-nitro-quinazolin-4(3H)-imines and 3,5-dialkyl-9-nitro-imidazo-[1,2-c]-quinazolin-2(3H)-ones from simple carbonyl compds., primary amines or amino acid Me esters and 2-azido-5-nitro-benzonitrile was developed. Key intermediates were N,N'-disubstituted amidines obtained by rearrangement of 4,5-dihydrotriazoles; the new heterocyclic rings were formed by spontaneous intramol. reaction of the amino and cyano groups which are present in the intermediates.
IT 859497-76-0P 859497-77-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(synthesis of 2,3-dialkyl-6-nitro-quinazolin-4(3H)-imines and 3,5-dialkyl-9-nitro-imidazo[1,2-c]quinazolin-2(3H)-ones from carbonyl compds., primary amines or amino acid Me esters and 2-azido-5-nitro-benzonitrile)
RN 859497-76-0 CAPLUS
CN 4(3H)-Quinazolinimine, 2-cyclopentyl-6-nitro-3-(phenylmethyl)- (CA INDEX NAME)



RN 859497-77-1 CAPLUS
CN 4(3H)-Quinazolinimine, 2-cyclohexyl-6-nitro-3-(phenylmethyl)- (CA INDEX NAME)

L4 ANSWER 9 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



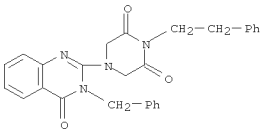
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 10 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:216604 CAPLUS
DOCUMENT NUMBER: 142:291339
TITLE: Compositions and methods using small mol. Trp-p8 modulators for the treatment of diseases associated with Trp-p8 expression
INVENTOR(S): Natarajan, Sateesh K.; Moreno, Ofir; Graddis, Thomas J.; Duncan, David; Laus, Reiner; Chen, Feng
PATENT ASSIGNEE(S): Dendreon Corporation, USA
SOURCE: PCT Int. Appl., 120 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

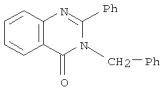
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005020897	A2	20050310	WO 2004-US26931	20040820
WO 2005020897	A3	20050811		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2535265	A1	20050310	CA 2004-2535265	20040820
US 20050054651	A1	20050310	US 2004-923413	20040820
EP 1663962	A2	20060607	EP 2004-781589	20040820
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, FI, RO, CY, TR, BG, CZ, EE, HU, PL, SK				
JP 2007503392	T	20070222	JP 2006-524040	20040820
PRIORITY APPLN. INFO.:			US 2003-497384P	P 20030822
			WO 2004-US26931	W 20040820

OTHER SOURCE(S): MARPAT 142:291339
AB Provided are small-mol. Trp-p8 modulators, including Trp-p8 agonists and Trp-p8 antagonists, and compns. comprising small-mol. Trp-p8 agonists as well as methods for identifying and characterizing small-mol. Trp-p8 modulators and methods for decreasing viability and/or inhibiting growth of Trp-p8 expressing cells, methods for activating Trp-p8-mediated cation influx, methods for stimulating apoptosis and/or necrosis, and related methods for the treatment of diseases, including cancers such as lung, breast, colon, and/or prostate cancers as well as other diseases, such as benign prostatic hyperplasia, that are associated with Trp-p8 expression. Preparation of selected p-menthane derivs. is described.
IT 847566-93-2
RL: PAC (Pharmacological activity); THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(small mol. Trp-p8 modulators for treatment of diseases associated with Trp-p8 expression)
RN 847566-93-2 CAPLUS

L4 ANSWER 10 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
CN 2,6-Piperazinedione,
4-[3,4-dihydro-4-oxo-3-(phenylmethyl)-2-quinazolinyl]-
1-(2-phenylethyl)- (CA INDEX NAME)



L4 ANSWER 11 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:85958 CAPLUS
DOCUMENT NUMBER: 142:336323
TITLE: Microwave-assisted one-pot synthesis of 2,3-disubstituted 3H-quinazolin-4-ones
AUTHOR(S): Liu, Ji-Feng; Lee, Jaekyoo; Dalton, Audra M.; Bi, Grace; Yu, Libing; Baldino, Carmen M.; McElory, Eric; Brown, Matt
CORPORATE SOURCE: Division of Chemical Technologies, ArQule, Inc., Woburn, MA, 01801, USA
SOURCE: Tetrahedron Letters (2005), 46(8), 1241-1244
CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 142:336323
AB A practical synthesis of 2,3-disubstituted 3H-quinazolin-4-ones with broad
chemical scope is described. The key step is the microwave promoted one-pot,
two-step reaction sequence combining anthranilic acids, carboxylic acids, and amines providing efficient access to this important class of heterocycles. Furthermore, the reaction of 2-amino-3-pyridinecarboxylic acid with benzoyl chloride and benzenemethanamine gave 2-phenyl-3-(phenylmethyl)pyrido[2,3-d]pyrimidin-4(3H)-one.
IT 19857-37-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of (phenyl)[(phenyl)methyl]-4(3H)-quinazolinone by microwave-assisted reaction using (amino)benzoic acid, benzoyl chloride, and amine as starting materials)
RN 19857-37-5 CAPLUS
CN 4(3H)-Quinazolinone, 2-phenyl-3-(phenylmethyl)- (CA INDEX NAME)

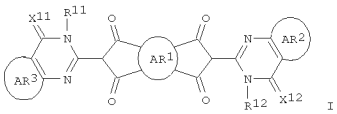


REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 12 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:1125357 CAPLUS
DOCUMENT NUMBER: 142:82382
TITLE: Pyrimidine compound and optical recording material using it
INVENTOR(S): Shiozaki, Hiroyoshi; Ishida, Tsutomu; Ogiso, Akira
PATENT ASSIGNEE(S): Mitsui Chemicals Inc., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 45 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004358819	A	20041224	JP 2003-160251	20030605
JP 4202830	B2	20081224		
PRIORITY APPLN. INFO.:			JP 2003-160251	20030605

OTHER SOURCE(S): MARPAT 142:82382
GI

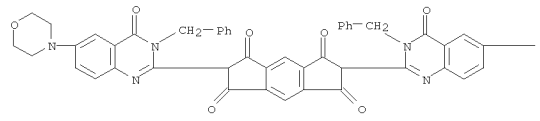


I

AB A compound I [AR1-3 = (un)substituted aromatic residue; X11-12 = O, S; R11-12 =
H, (un)substituted alkyl, aralkyl, aryl] having two 2-[4-(thi)oxopyrimidinyl]-1,3-propanedione structures is claimed. The material contains ≥1 of I. The material is recorded and read by 300-900 nm laser beam, especially by blue-violet laser with 400-410 nm.
IT 811803-68-6
RL: TEM (Technical or engineered material use); USES (Uses)
(optical recording material containing pyrimidinyl propanedione compound)
RN 811803-68-6 CAPLUS
CN s-Indacene-1,3,5,7(2H,6H)-tetrone,
2,6-bis[3,4-dihydro-6-(4-morpholinyl)-4-oxo-3-(phenylmethyl)-2-quinazolinyl]- (CA INDEX NAME)

L4 ANSWER 12 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

PAGE 1-A



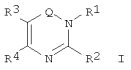
PAGE 1-B

L4 ANSWER 13 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:857326 CAPLUS
DOCUMENT NUMBER: 141:309639
TITLE: Dipeptidyl peptidase inhibitors
INVENTOR(S): Feng, Jun; Gwaltney, Stephen L.; Kaldor, Stephen W.; Stafford, Jeffrey A.; Wallace, Michael B.; Zhang, Zhiyuan
PATENT ASSIGNEE(S): Syrrx, Inc., USA
SOURCE: PCT Int. Appl., 244 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004087053	A2	20041014	WO 2004-US9217	20040324
WO 2004087053	A9	20041111		
WO 2004087053	A3	20060831		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2518465	A1	20041014	CA 2004-2518465	20040324
US 20040242568	A1	20041202	US 2004-809636	20040324
US 20040242566	A1	20041202	US 2004-809638	20040324
US 20040259870	A1	20041223	US 2004-809637	20040324
US 20050004117	A1	20050106	US 2004-809635	20040324
EP 1608317	A2	20051228	EP 2004-758366	20040324
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK				
CN 1894234	A	20070110	CN 2004-80011900	20040324
JP 2007524600	T	20070830	JP 2006-509315	20040324

PRIORITY APPLN. INFO.: US 2003-457785P P 20030325
WO 2004-US9217 W 20040324

OTHER SOURCE(S): MARPAT 141:309639
GI



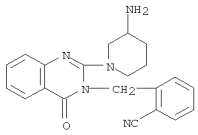
I

L4 ANSWER 13 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

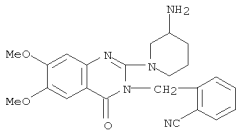
AB Dipeptidyl peptidase IV inhibitors I [Q = CO, SO, SO2, C:NR5; R1 = ZR6; Z = moiety providing 1-6 atom separation between R6 and ring; R2 = (substituted)3-7-membered ring; R3,R4 = taken together form a (substituted)5-6-membered ring; R5 = H, (substituted)alkyl, cycloalkyl, etc.; R6 = (substituted)C3-7-cycloalkyl or aryl] are disclosed. Thus, 2-[2-(3-aminopiperidin-1-yl)-6,7-dimethoxy-4-oxo-4H-quinazolin-3-ylmethyl]benzonitrile (I; R1 = 2-cyanophenylmethyl; R2 = 3-aminopiperidin-1-yl; R3,R4 = dimethoxyphenyl) was synthesized. This compound exhibited enhanced stability in rat liver microsomes.

IT 769157-54-2P 769157-55-3P 769157-56-4P
769157-57-5P 769157-58-6P 769157-59-7P
769157-63-3P 769157-65-5P 769157-71-3P
769157-81-5P 769157-89-3P 769157-91-7P
769157-92-8P 769157-93-9P 769157-94-0P
769157-95-1P 769158-01-2P 769158-02-3P
769158-03-4P 769158-04-5P 769158-05-6P
769158-06-7P 769158-14-7P
RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(dipeptidyl peptidase inhibitors)

RN 769157-54-2 CAPLUS
CN Benzonitrile, 2-[[2-(3-amino-1-piperidinyl)-4-oxo-3(4H)-quinazolinyl]methyl]- (CA INDEX NAME)

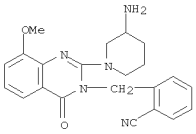


RN 769157-55-3 CAPLUS
CN Benzonitrile, 2-[[2-(3-amino-1-piperidinyl)-6,7-dimethoxy-4-oxo-3(4H)-quinazolinyl]methyl]- (CA INDEX NAME)

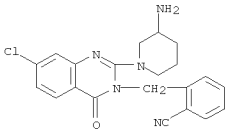


L4 ANSWER 13 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

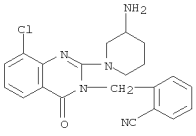
RN 769157-56-4 CAPLUS
CN Benzonitrile, 2-[[2-(3-amino-1-piperidinyl)-8-methoxy-4-oxo-3(4H)-quinazolinyl]methyl]- (CA INDEX NAME)



RN 769157-57-5 CAPLUS
CN Benzonitrile, 2-[[2-(3-amino-1-piperidinyl)-7-chloro-4-oxo-3(4H)-quinazolinyl]methyl]- (CA INDEX NAME)

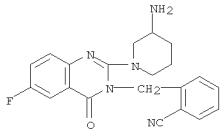


RN 769157-58-6 CAPLUS
CN Benzonitrile, 2-[[2-(3-amino-1-piperidinyl)-8-chloro-4-oxo-3(4H)-quinazolinyl]methyl]- (CA INDEX NAME)



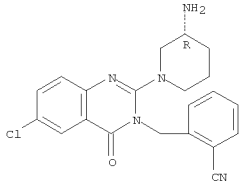
RN 769157-59-7 CAPLUS
CN Benzonitrile, 2-[[2-(3-amino-1-piperidinyl)-6-fluoro-4-oxo-3(4H)-quinazolinyl]methyl]- (CA INDEX NAME)

L4 ANSWER 13 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 769157-63-3 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-6-chloro-4-oxo-3(4H)-quinazolinyl]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



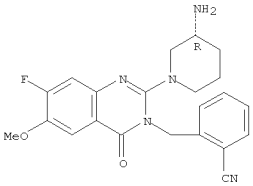
RN 769157-65-5 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-7-fluoro-6-methoxy-4-oxo-3(4H)-quinazolinyl]methyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 769157-64-4
CMF C22 H22 F N5 O2

Absolute stereochemistry.

L4 ANSWER 13 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



CM 2

CRN 76-05-1
CMF C2 H F3 O2

RN 769157-71-3 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-5-fluoro-4-oxo-3(4H)-quinazolinyl]methyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

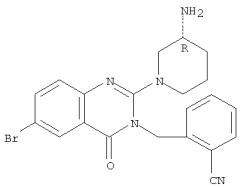
CM 1

CRN 769157-70-2
CMF C21 H20 F N5 O

Absolute stereochemistry.

L4 ANSWER 13 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

Absolute stereochemistry.

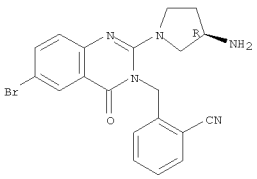


RN 769157-91-7 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-pyrrolidinyl]-6-bromo-4-oxo-3(4H)-quinazolinyl]methyl]-, 2,2,2-trifluoroacetate (1:1) (CA INDEX NAME)

CM 1

CRN 769157-90-6
CMF C20 H18 Br N5 O

Absolute stereochemistry.

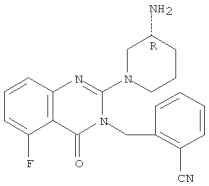


CM 2

CRN 76-05-1
CMF C2 H F3 O2

RN 769157-92-8 CAPLUS

L4 ANSWER 13 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

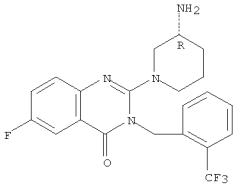


CM 2

CRN 76-05-1
CMF C2 H F3 O2

RN 769157-81-5 CAPLUS
CN 4(3H)-Quinazolinone, 2-[(3R)-3-amino-1-piperidinyl]-6-fluoro-3-[[2-(trifluoromethyl)phenyl]methyl]- (CA INDEX NAME)

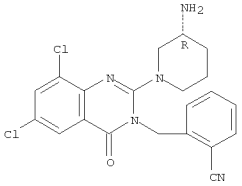
Absolute stereochemistry.



RN 769157-89-3 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-6-bromo-4-oxo-3(4H)-quinazolinyl]methyl]- (CA INDEX NAME)

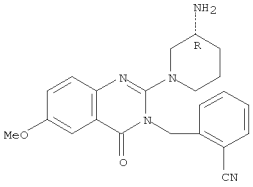
L4 ANSWER 13 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-6,8-dichloro-4-oxo-3(4H)-quinazolinyl]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 769157-93-9 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-6-methoxy-4-oxo-3(4H)-quinazolinyl]methyl]- (CA INDEX NAME)

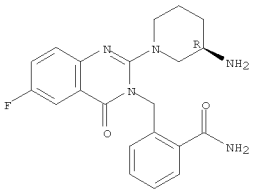
Absolute stereochemistry.



RN 769157-94-0 CAPLUS
CN Benzamide, 2-[[2-[(3R)-3-amino-1-piperidinyl]-6-fluoro-4-oxo-3(4H)-quinazolinyl]methyl]- (CA INDEX NAME)

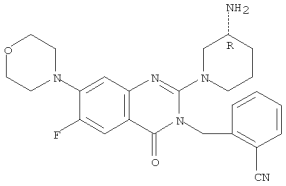
Absolute stereochemistry.

L4 ANSWER 13 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

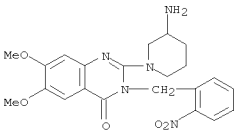


RN 769157-95-1 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-6-fluoro-7-(4-morpholinyl)-4-oxo-3(4H)-quinazolinyl]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



RN 769158-01-2 CAPLUS
CN 4(3H)-Quinazolinone, 2-(3-amino-1-piperidinyl)-6,7-dimethoxy-3-[(2-nitrophenyl)methyl]- (CA INDEX NAME)

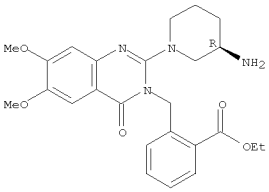


RN 769158-02-3 CAPLUS

L4 ANSWER 13 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

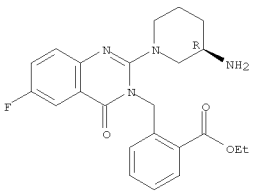
CN Benzoic acid, 2-[[2-[(3R)-3-amino-1-piperidinyl]-6,7-dimethoxy-4-oxo-3(4H)-quinazolinyl]methyl]-, ethyl ester (CA INDEX NAME)

Absolute stereochemistry.



RN 769158-03-4 CAPLUS
CN Benzoic acid, 2-[[2-[(3R)-3-amino-1-piperidinyl]-6-fluoro-4-oxo-3(4H)-quinazolinyl]methyl]-, ethyl ester (CA INDEX NAME)

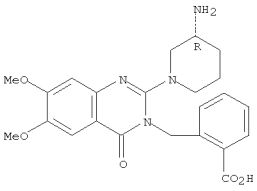
Absolute stereochemistry.



RN 769158-04-5 CAPLUS
CN Benzoic acid, 2-[[2-[(3R)-3-amino-1-piperidinyl]-6,7-dimethoxy-4-oxo-3(4H)-quinazolinyl]methyl]- (CA INDEX NAME)

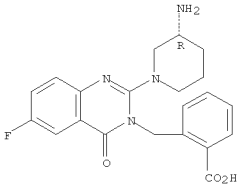
Absolute stereochemistry.

L4 ANSWER 13 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

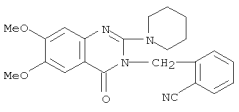


RN 769158-05-6 CAPLUS
CN Benzoic acid, 2-[[2-[(3R)-3-amino-1-piperidinyl]-6-fluoro-4-oxo-3(4H)-quinazolinyl]methyl]- (CA INDEX NAME)

Absolute stereochemistry.



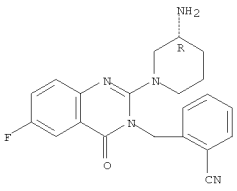
RN 769158-06-7 CAPLUS
CN Benzonitrile, 2-[[6,7-dimethoxy-4-oxo-2-(1-piperidinyl)-3(4H)-quinazolinyl]methyl]- (CA INDEX NAME)



RN 769158-14-7 CAPLUS
CN Benzonitrile, 2-[[2-[(3R)-3-amino-1-piperidinyl]-6-fluoro-4-oxo-3(4H)-quinazolinyl]methyl]- (CA INDEX NAME)

Absolute stereochemistry.

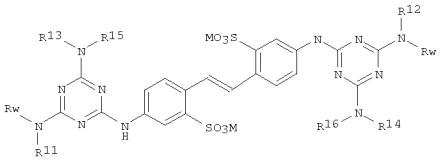
L4 ANSWER 13 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



L4 ANSWER 14 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:609430 CAPLUS
DOCUMENT NUMBER: 141:164773
TITLE: Processing of silver halide color photographic material containing yellow coupler and color imaging method to improve yellow color reproducibility
INVENTOR(S): Ishidai, Hiroshi; Tanaka, Shigeo
PATENT ASSIGNEE(S): Konica Minolta MG K. K., Japan; Konica Minolta Photo Imaging K. K.
SOURCE: Jpn. Kokai Tokkyo Koho, 91 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2004212936	A	20040729	JP 2003-291105	20030811
JP 2004246316	A	20040902	JP 2003-201438	20030725
PRIORITY APPLN. INFO.:			JP 2002-368028 A	20021219

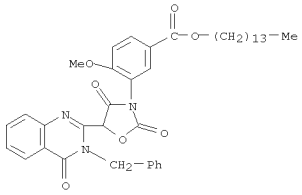
OTHER SOURCE(S): MARPAT 141:164773
GI



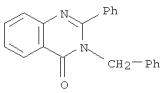
I

AB A silver halide color photog. material containing a yellow coupler represented
by R1m-G-NH-O-R2 (R1 = aliphatic, aromatic, heterocyclyl, alkoxy, aryloxy,
amino; m = 1, 2; R2 = coupling group; G = -CO, -C:NR3-, -PO-, -SO-, -SO2-;
R3 = R2) is processed by a processing solution containing a compound represented by
I (R11, R12 = H, substituent; R13, R14 = H, alkyl, aryl; R15, R16 = -(C(A)2)f-Og-(C(A)2)h-Oi-(C(A)2)j-Ok-H; Rw = H,
-(C(A)2)f-Og-(C(A)2)h-Oi-(C(A)2)j-Ok-H, -CH2CHG2SO3M; M = H, alkali metal;
alkaline earth metal, ammonium pyridinium; A = H, hydroxyl, hydroxymethyl,

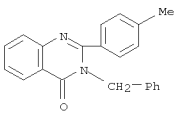
L4 ANSWER 14 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
2-hydroxyethyl, 1-hydroxyethyl, 3-hydroxypropyl, 2-hydroxypropyl, 1-hydroxypropyl; f, h, j = 1, 2; g, i, k = 0, 1). The color photog. material is esp. suitable for color proof applications.
IT 411241-77-5
RL: DEV (Device component use); USES (Uses)
(yellow coupler; processing of silver halide color photog. material containing yellow coupler and color imaging method to improve yellow color
reproducibility)
RN 411241-77-5 CAPLUS
CN Benzoic acid,
3-[5-[3,4-dihydro-4-oxo-3-(phenylmethyl)-2-quinazolinyl]-2,4-dioxo-3-oxazolidinyl]-4-methoxy-, tetradecyl ester (CA INDEX NAME)



L4 ANSWER 15 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:509895 CAPLUS
DOCUMENT NUMBER: 141:157089
TITLE: One-pot synthesis of 4(3H)-quinazolinones
AUTHOR(S): Bhat, Bashir A.; Sahu, Devi P.
CORPORATE SOURCE: Chemical Technology Division, Central Drug Research Institute, Lucknow, India
SOURCE: Synthetic Communications (2004), 34(12), 2169-2176
CODEN: SYNCAV; ISSN: 0039-7911
PUBLISHER: Marcel Dekker, Inc.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 141:157089
AB Anthranil amides undergo cyclocondensation with aldehydes in presence of iodine in a single-pot reaction to afford 2-substituted 4(3H)-quinazolinones in moderate to excellent yield (40-95%). 2,3-Substituted 4(3H)-quinazolinones are synthesized in moderate to good yield by three-component condensation of isatoic anhydride, amine, and aldehyde in presence of iodine.
IT 19857-37-5P 380578-77-8P 450377-43-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(one-pot preparation of 4(3H)-quinazolinones by cyclocondensation of anthranil amides with aldehydes or by three-component condensation of isatoic anhydride with amines, and aldehydes)
RN 19857-37-5 CAPLUS
CN 4(3H)-Quinazolinone, 2-phenyl-3-(phenylmethyl)- (CA INDEX NAME)

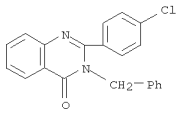


RN 380578-77-8 CAPLUS
CN 4(3H)-Quinazolinone, 2-(4-methylphenyl)-3-(phenylmethyl)- (CA INDEX NAME)



RN 450377-43-2 CAPLUS
CN 4(3H)-Quinazolinone, 2-(4-chlorophenyl)-3-(phenylmethyl)- (CA INDEX NAME)

L4 ANSWER 15 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



REFERENCE COUNT: 28 THERE ARE 28 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

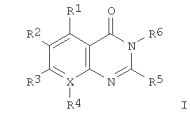
L4 ANSWER 16 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:412903 CAPLUS
DOCUMENT NUMBER: 140:423688
TITLE: Preparation of quinazolinone derivatives as calcilytics
INVENTOR(S): Shcherbakova, Irina; Balandrin, Manuel; Fox, John; Heaton, William; Conklin, Rebecca; Papac, Damon
PATENT ASSIGNEE(S): NPS Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 74 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004041755	A2	20040521	WO 2003-US35162	20031104
WO 2004041755	A3	20040708		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2502302	A1	20040521	CA 2003-2502302	20031104
AU 2003291761	A1	20040607	AU 2003-291761	20031104
EP 1558260	A2	20050803	EP 2003-768655	20031104
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1708306	A	20051214	CN 2003-80102626	20031104
JP 2006512315	T	20060413	JP 2004-550482	20031104
US 20060052345	A1	20060309	US 2005-531161	20050412
MX 2005004328	A	20050802	MX 2005-4328	20050422

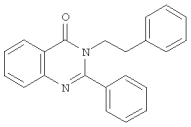
PRIORITY APPLN. INFO.: US 2002-423663P P 20021104
WO 2003-US35162 W 20031104

OTHER SOURCE(S): MARPAT 140:423688
GI

L4 ANSWER 16 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



I



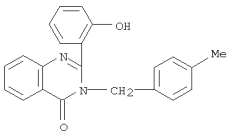
II

AB The title compds. I [R1, R2, R3 = H, halo, CN, CF3, OCF3, alkyl, alkoxy, etc.; R4 (optional) = H, halo, CN, CF3, OCF3, alkyl, alkoxy, etc.; X = C or N; R5 = H, alkyl, furyl, thienyl, styryl, pyridyl, (substituted)phenyl; R6 = H, alkyl, or -(CH2)n-X1-R7; n= 0-2; X1 = O, CO, CHOH, alkyl, or a single bond; R7 = an aromatic group optionally substituted with 1-3 substituents selected from H, halo, CN, CF3, OCF3, alkyl, alkoxy, etc.] were prepared as calcium receptor antagonists for the treatment of bone diseases. Thus, reaction of 2-phenyl-benzo[d][1,3]oxazin-4-one (preparation given) with phenethylamine gave compound II. Methods to determine the biol. activity of the compound of this invention were demonstrated.

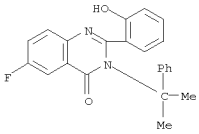
IT 691378-39-9P 691378-76-4P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of quinazolinone derivs. as calcilytics)

RN 691378-39-9 CAPLUS
CN 4(3H)-Quinazolinone, 2-(2-hydroxyphenyl)-3-[(4-methylphenyl)methyl]- (CA INDEX NAME)

L4 ANSWER 16 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 691378-76-4 CAPLUS
CN 4(3H)-Quinazolinone, 6-fluoro-2-(2-hydroxyphenyl)-3-(1-methyl-1-phenylethyl)- (CA INDEX NAME)



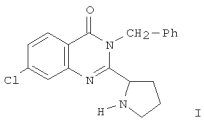
REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 17 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:354730 CAPLUS
DOCUMENT NUMBER: 140:350546
TITLE: Heterocyclic-substituted quinazolinones preparation for treating cellular proliferative diseases
INVENTOR(S): Bergnes, Gustave; Morgans, David J., Jr.
PATENT ASSIGNEE(S): Cytokinetics, Inc., USA
SOURCE: PCT Int. Appl., 61 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004034972	A2	20040429	WO 2003-US30788	20030930
WO 2004034972	A3	20041125		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003277079	A1	20040504	AU 2003-277079	20030930
EP 1558083	A2	20050803	EP 2003-808978	20030930
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006501306	T	20060112	JP 2004-544787	20030930
US 20060264449	A1	20061123	US 2005-529745	20051114

PRIORITY APPLN. INFO.: US 2002-414756P P 20020930
WO 2003-US30788 W 20030930

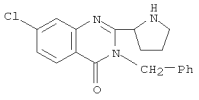
OTHER SOURCE(S): MARPAT 140:350546
GI



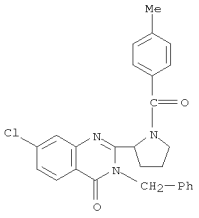
I

AB Heterocyclic-substituted quinazolinones were prepared for treating cellular proliferative diseases and disorders, for example, by modulating the activity of KSP. I and other similar compds. were prepared and examples

L4 ANSWER 17 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
were given, e.g., induction of mitotic arrest in cell populations treated with a KSP inhibitor, monopolar spindle formation following application of a KSP inhibitor, and inhibition of cellular proliferation in tumor cells lines with the inhibitors.
IT 681827-24-7P 681827-25-8P 681827-26-9P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(heterocyclic-substituted quinazolinones preparation for treating cellular proliferative diseases)
RN 681827-24-7 CAPLUS
CN 4(3H)-Quinazolinone, 7-chloro-3-(phenylmethyl)-2-(2-pyrrolidinyl)- (CA INDEX NAME)

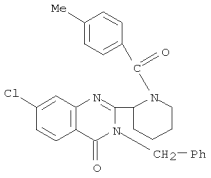


RN 681827-25-8 CAPLUS
CN 4(3H)-Quinazolinone, 7-chloro-2-[1-(4-methylbenzoyl)-2-pyrrolidinyl]-3-(phenylmethyl)- (CA INDEX NAME)

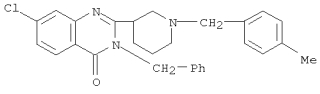


RN 681827-26-9 CAPLUS
CN 4(3H)-Quinazolinone, 7-chloro-2-[1-[(4-methylphenyl)methyl]-2-pyrrolidinyl]-3-(phenylmethyl)- (CA INDEX NAME)

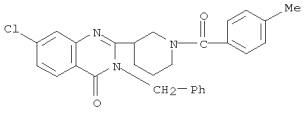
L4 ANSWER 17 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



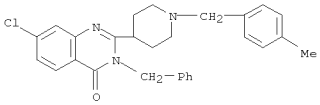
RN 681827-31-6 CAPLUS
CN 4(3H)-Quinazolinone, 7-chloro-2-[1-[(4-methylphenyl)methyl]-3-piperidinyl]-3-(phenylmethyl)- (CA INDEX NAME)



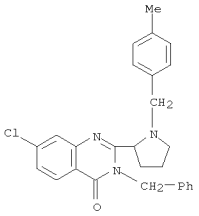
RN 681827-32-7 CAPLUS
CN 4(3H)-Quinazolinone, 7-chloro-2-[1-(4-methylbenzoyl)-3-piperidinyl]-3-(phenylmethyl)- (CA INDEX NAME)



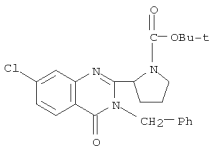
RN 681827-33-8 CAPLUS
CN 4(3H)-Quinazolinone, 7-chloro-2-[1-[(4-methylphenyl)methyl]-4-piperidinyl]-3-(phenylmethyl)- (CA INDEX NAME)



L4 ANSWER 17 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



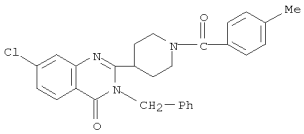
IT 681827-42-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(heterocyclic-substituted quinazolinones preparation for treating cellular proliferative diseases)
RN 681827-42-9 CAPLUS
CN 1-Pyrrolidinecarboxylic acid, 2-[7-chloro-3,4-dihydro-4-oxo-3-(phenylmethyl)-2-quinazolinyl]-, 1,1-dimethylethyl ester (CA INDEX NAME)



IT 681827-30-5P 681827-31-6P 681827-32-7P
681827-33-8P 681827-34-9P 681827-35-0P
681827-36-1P 681827-37-2P 681827-38-3P
681827-39-4P
RL: SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(heterocyclic-substituted quinazolinones preparation for treating cellular proliferative diseases)
RN 681827-30-5 CAPLUS
CN 4(3H)-Quinazolinone, 7-chloro-2-[1-(4-methylbenzoyl)-2-piperidinyl]-3-(phenylmethyl)- (CA INDEX NAME)

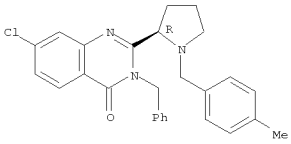
L4 ANSWER 17 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

RN 681827-34-9 CAPLUS
CN 4(3H)-Quinazolinone, 7-chloro-2-[1-(4-methylbenzoyl)-4-piperidinyl]-3-(phenylmethyl)- (CA INDEX NAME)



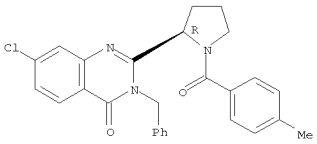
RN 681827-35-0 CAPLUS
CN 4(3H)-Quinazolinone, 7-chloro-2-[(2R)-1-[(4-methylphenyl)methyl]-2-pyrrolidinyl]-3-(phenylmethyl)- (CA INDEX NAME)

Absolute stereochemistry.



RN 681827-36-1 CAPLUS
CN 4(3H)-Quinazolinone, 7-chloro-2-[(2R)-1-(4-methylbenzoyl)-2-pyrrolidinyl]-3-(phenylmethyl)- (CA INDEX NAME)

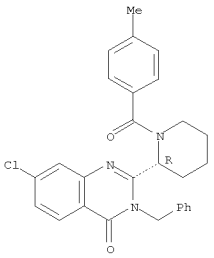
Absolute stereochemistry.



RN 681827-37-2 CAPLUS
CN 4(3H)-Quinazolinone, 7-chloro-2-[(2R)-1-(4-methylbenzoyl)-2-piperidinyl]-3-(phenylmethyl)- (CA INDEX NAME)

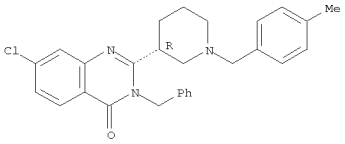
L4 ANSWER 17 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

Absolute stereochemistry.



RN 681827-38-3 CAPLUS
CN 4(3H)-Quinazolinone, 7-chloro-2-[(3R)-1-[(4-methylphenyl)methyl]-3-piperidinyl]-3-(phenylmethyl)- (CA INDEX NAME)

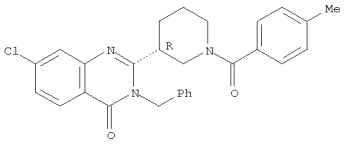
Absolute stereochemistry.



RN 681827-39-4 CAPLUS
CN 4(3H)-Quinazolinone, 7-chloro-2-[(3R)-1-(4-methylbenzoyl)-3-piperidinyl]-3-(phenylmethyl)- (CA INDEX NAME)

Absolute stereochemistry.

L4 ANSWER 17 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



L4 ANSWER 18 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN

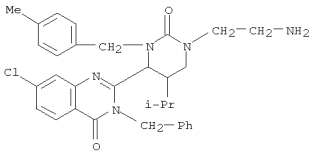
ACCESSION NUMBER: 2004:80465 CAPLUS
DOCUMENT NUMBER: 140:139471
TITLE: Preparation of of quinazolinone-like derivatives to treat cellular proliferative diseases
INVENTOR(S): Bergnes, Gustave; Smith, Whitney W.; Yao, Bing; Morgans, David J., Jr.; MacDonald, Andrew
PATENT ASSIGNEE(S): Cytokinetics, Inc., USA
SOURCE: PCT Int. Appl., 64 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004009036	A2	20040129	WO 2003-US23319	20030723
WO 2004009036	A3	20040819		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003256805	A1	20040209	AU 2003-256805	20030723
US 20040142949	A1	20040722	US 2003-626012	20030723
US 7211580	B2	20070501		
EP 1537089	A2	20050608	EP 2003-766028	20030723
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
JP 2006501201	T	20060112	JP 2004-523405	20030723
US 20080021050	A1	20080124	US 2007-717223	20070312

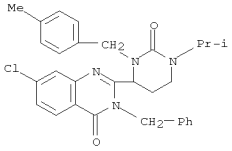
PRIORITY APPLN. INFO.: US 2002-398224P P 20020723
US 2003-626012 A3 20030723
WO 2003-US23319 W 20030723

OTHER SOURCE(S): MARPAT 140:139471
AB The invention relates to quinazolinone-like derivs. that are inhibitors of the mitotic kinesin KSP and are useful in the treatment of cellular proliferative diseases, for example cancer, hyperplasias, restenosis, cardiac hypertrophy, immune disorders and inflammation. Preparation of 3-Benzyl-7-chloro-2-(3-benzyl-2-oxohexahydropyrimidin-4-yl)-3H-quinazolin-4-one is included.
IT 1070549-48-2 1070549-50-6 1070549-54-0
1070549-55-1 1070549-56-2 1070549-57-3
1070549-60-8 1070549-61-9 1070549-62-0
1070549-63-1 1070549-66-4 1070549-67-5
1070549-69-7 1070549-70-0 1070549-87-9
1070971-53-7 1070971-56-0 1070971-57-1
1070971-60-6

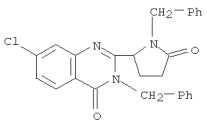
L4 ANSWER 18 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
RL: PRPH (Prophetic)
(Preparation of of quinazolinone-like derivatives to treat cellular proliferative diseases)
RN 1070549-48-2 CAPLUS
CN 4(3H)-Quinazolinone, 2-[1-(2-aminoethyl)hexahydro-5-(1-methylethyl)-3-[(4-methylphenyl)methyl]-2-oxo-4-pyrimidinyl]-7-chloro-3-(phenylmethyl)- (CA INDEX NAME)



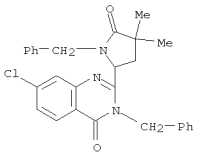
RN 1070549-50-6 CAPLUS
CN 4(3H)-Quinazolinone, 7-chloro-2-[hexahydro-1-(1-methylethyl)-3-[(4-methylphenyl)methyl]-2-oxo-4-pyrimidinyl]-3-(phenylmethyl)- (CA INDEX NAME)



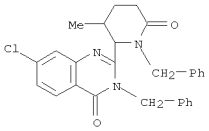
RN 1070549-54-0 CAPLUS
CN 4(3H)-Quinazolinone, 7-chloro-2-[5-oxo-1-(phenylmethyl)-2-pyrrolidinyl]-3-(phenylmethyl)- (CA INDEX NAME)



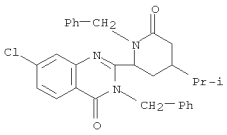
L4 ANSWER 18 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
RN 1070549-55-1 CAPLUS
CN INDEX NAME NOT YET ASSIGNED



RN 1070549-56-2 CAPLUS
CN 4(3H)-Quinazolinone, 7-chloro-2-[3-methyl-6-oxo-1-(phenylmethyl)-2-piperidinyl]-3-(phenylmethyl)- (CA INDEX NAME)

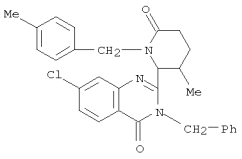


RN 1070549-57-3 CAPLUS
CN 4(3H)-Quinazolinone, 7-chloro-2-[4-(1-methylethyl)-6-oxo-1-(phenylmethyl)-2-piperidinyl]-3-(phenylmethyl)- (CA INDEX NAME)

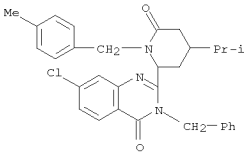


RN 1070549-60-8 CAPLUS
CN 4(3H)-Quinazolinone, 7-chloro-2-[1-[(4-methylphenyl)methyl]-5-oxo-2-pyrrolidinyl]-3-(phenylmethyl)- (CA INDEX NAME)

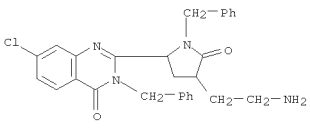
L4 ANSWER 18 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 1070549-63-1 CAPLUS
CN 4(3H)-Quinazolinone, 7-chloro-2-[4-(1-methylethyl)-1-[(4-methylphenyl)methyl]-6-oxo-2-piperidinyl]-3-(phenylmethyl)- (CA INDEX NAME)

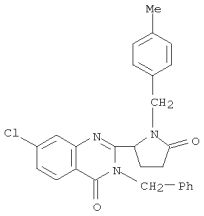


RN 1070549-66-4 CAPLUS
CN 4(3H)-Quinazolinone, 2-[4-(2-aminoethyl)-5-oxo-1-(phenylmethyl)-2-pyrrolidinyl]-7-chloro-3-(phenylmethyl)- (CA INDEX NAME)

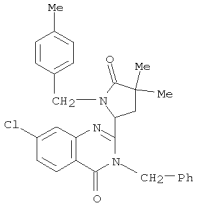


RN 1070549-67-5 CAPLUS
CN 4(3H)-Quinazolinone, 2-[5-(2-aminoethyl)-6-oxo-1-(phenylmethyl)-2-piperidinyl]-7-chloro-3-(phenylmethyl)- (CA INDEX NAME)

L4 ANSWER 18 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

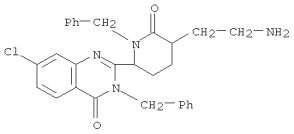


RN 1070549-61-9 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

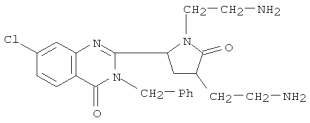


RN 1070549-62-0 CAPLUS
CN 4(3H)-Quinazolinone, 7-chloro-2-[3-methyl-1-[(4-methylphenyl)methyl]-6-oxo-2-piperidinyl]-3-(phenylmethyl)- (CA INDEX NAME)

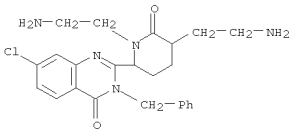
L4 ANSWER 18 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 1070549-69-7 CAPLUS
CN 4(3H)-Quinazolinone, 2-[1,4-bis(2-aminoethyl)-5-oxo-2-pyrrolidinyl]-7-chloro-3-(phenylmethyl)- (CA INDEX NAME)

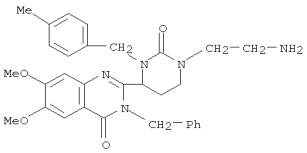


RN 1070549-70-0 CAPLUS
CN 4(3H)-Quinazolinone, 2-[1,5-bis(2-aminoethyl)-6-oxo-2-piperidinyl]-7-chloro-3-(phenylmethyl)- (CA INDEX NAME)

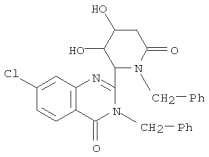


RN 1070549-87-9 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

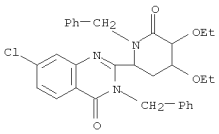
L4 ANSWER 18 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 1070971-53-7 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

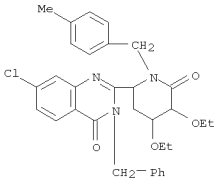


RN 1070971-56-0 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

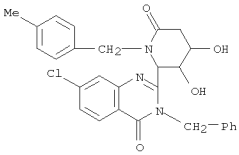


RN 1070971-57-1 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

L4 ANSWER 18 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

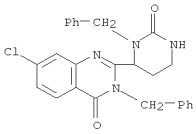


RN 1070971-60-6 CAPLUS
CN INDEX NAME NOT YET ASSIGNED

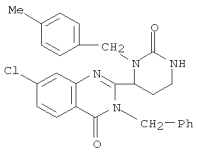


IT 651323-36-3P 651323-39-6P 651323-40-9P
651323-41-0P 651323-42-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of quinazolinone derivs. to treat cellular proliferative diseases)
RN 651323-36-3 CAPLUS
CN 4(3H)-Quinazolinone, 7-chloro-2-[hexahydro-2-oxo-3-(phenylmethyl)-4-pyrimidinyl]-3-(phenylmethyl)- (CA INDEX NAME)

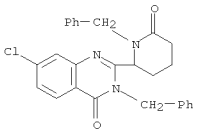
L4 ANSWER 18 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 651323-39-6 CAPLUS
CN 4(3H)-Quinazolinone, 7-chloro-2-[hexahydro-3-[(4-methylphenyl)methyl]-2-oxo-4-pyrimidinyl]-3-(phenylmethyl)- (CA INDEX NAME)

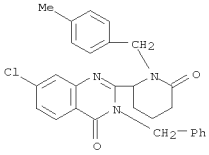


RN 651323-40-9 CAPLUS
CN 4(3H)-Quinazolinone, 7-chloro-2-[6-oxo-1-(phenylmethyl)-2-piperidinyl]-3-(phenylmethyl)- (CA INDEX NAME)

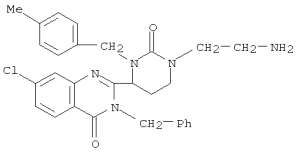


RN 651323-41-0 CAPLUS
CN 4(3H)-Quinazolinone, 7-chloro-2-[1-[(4-methylphenyl)methyl]-6-oxo-2-piperidinyl]-3-(phenylmethyl)- (CA INDEX NAME)

L4 ANSWER 18 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

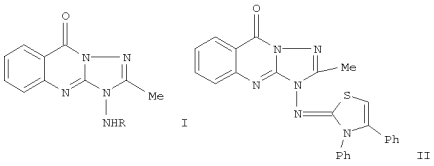


RN 651323-42-1 CAPLUS
CN 4(3H)-Quinazolinone, 2-[1-(2-aminoethyl)hexahydro-3-[(4-methylphenyl)methyl]-2-oxo-4-pyrimidinyl]-7-chloro-3-(phenylmethyl)- (CA INDEX NAME)



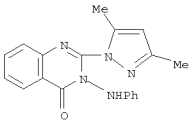
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 19 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:69033 CAPLUS
DOCUMENT NUMBER: 140:235676
TITLE: Synthesis and reactions of 3-amino-2-methyl-3H-[1,2,4]triazolo[5,1-b]quinazolin-9-one and 2-hydrazino-3-phenylamino-3H-quinazolin-4-one
AUTHOR(S): Saleh, Mohamed A.; Hafez, Yehia A.; Abdel-hay, Foad E.; Gad, Wagdy I.
CORPORATE SOURCE: Chemistry Department, Faculty of Science, Tanta University, Tanta, Egypt
SOURCE: Journal of Heterocyclic Chemistry (2003), 40(6), 973-978
CODEN: JHTCAD; ISSN: 0022-152X
PUBLISHER: HeteroCorporation
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 140:235676
GI



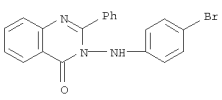
AB The reaction of 3-N-(2-mercapto-4-oxo-4H-quinazolin-3-yl)acetamide with hydrazine hydrate yielded 3-amino-2-methyl-3H-[1,2,4]triazolo[5,1-b]quinazolin-9-one (I, R = H). The reaction of I (R = H) with o-chlorobenzaldehyde and 2-hydroxynaphthaldehyde gave the corresponding 3-arylidene amino derivs. Condensation of I (R = H) with 1-nitroso-2-naphthol afforded the corresponding 3-(2-hydroxynaphthalen-1-yl-diazenyl)-2-methyl-3H-[1,2,4]triazolo[5,1-b]quinazolin-9-one, which on subsequent reduction by SnCl2 and HCl gave the hydrazino derivative Reaction of I (R = H) with Ph isothiocyanate in refluxing ethanol yielded thiourea derivative I (R = CSNHPh). Ring closure of the latter subsequently cyclized on refluxing with phenacyl bromide, oxalyl dichloride, and chloroacetic acid to afford the corresponding thiazolidine derivs., e.g. II. Reaction of 2-mercapto-3-phenylamino-3H-quinazolin-4-one with hydrazine hydrate afforded 2-hydrazino-3-phenylamino-3H-quinazolin-4-one (III). The reactivity of III towards carbon disulfide, acetylacetone, and Et acetoacetate was investigated. Condensation of III with isatin afforded 2-[N-(2-oxo-1,2-dihydroindol-3-ylidene)hydrazino]-3-phenylamino-3H-

L4 ANSWER 19 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
quinazolin-4-one. 2-(4-Oxo-3-phenylamino-3,4-dihydroquinazolin-2-ylamino)isoindole-1,3-dione was synthesized by the reaction of III with phthalic anhydride. All isolated products were confirmed by their ir, 1H NMR, 13C NMR and mass spectra.
IT 669012-44-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and reactions of 3-amino-2-methyl-3H-[1,2,4]triazolo[5,1-b]-quinazolin-9-one and 2-hydrazino-3-phenylamino-3H-quinazolin-4-one)
RN 669012-44-6 CAPLUS
CN 4(3H)-Quinazolinone, 2-(3,5-dimethyl-1H-pyrazol-1-yl)-3-(phenylamino)- (CA INDEX NAME)

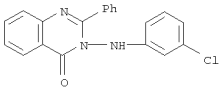


REFERENCE COUNT: 24 THERE ARE 24 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 20 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2003:367651 CAPLUS
DOCUMENT NUMBER: 140:77092
TITLE: 2-Methyl- and 2-phenyl-3-arylamino-4(3H)-quinazolinones
AUTHOR(S): Strakovs, Andris; Avotins, Fricis; Petrova, Marina; Strakova, Inta
CORPORATE SOURCE: Fac. Material Sci. Applied Chem., Riga Technical Univ., Riga, LV 1048, Latvia
SOURCE: Rigas Tehniskas Universitates Zinatniskie Raksti, Serija 1: Materialzinatne un Lietiska Kimija (2002), 4, 80-83
CODEN: RTUZAL
PUBLISHER: Izdevnieciba RTU
DOCUMENT TYPE: Journal
LANGUAGE: Latvian
OTHER SOURCE(S): CASREACT 140:77092
AB Reactions of 2-methyl- and 2-phenyl-4-oxo-3,1-benzoxazines with hydrochlorides 4-bromo-, 4-fluoro-, 3-chloro-, 2,4-difluoro-, 2,4-dichloro- and 2-carboxyphenylhydrazines, 3,5-ditrifluoromethylphenylhydrazine were carried out under reflux in pyridine to give the corresponding 3-arylamino-4(3H)-quinazolinones.
IT 640277-05-0P 640277-06-1P 640277-07-2P
640277-08-3P 640277-09-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of 2-methyl- and 2-phenyl-3-arylamino-4(3H)-quinazolinones by reacting 4-oxo-3,1-benzoxazines with hydrazines)
RN 640277-05-0 CAPLUS
CN 4(3H)-Quinazolinone, 3-[(4-bromophenyl)amino]-2-phenyl- (CA INDEX NAME)

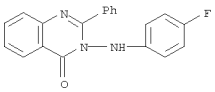


RN 640277-06-1 CAPLUS
CN 4(3H)-Quinazolinone, 3-[(3-chlorophenyl)amino]-2-phenyl- (CA INDEX NAME)

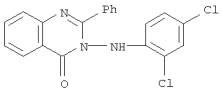


RN 640277-07-2 CAPLUS
CN 4(3H)-Quinazolinone, 3-[(4-fluorophenyl)amino]-2-phenyl- (CA INDEX NAME)

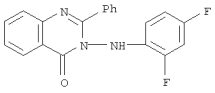
L4 ANSWER 20 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 640277-08-3 CAPLUS
CN 4(3H)-Quinazolinone, 3-[(2,4-dichlorophenyl)amino]-2-phenyl- (CA INDEX NAME)



RN 640277-09-4 CAPLUS
CN 4(3H)-Quinazolinone, 3-[(2,4-difluorophenyl)amino]-2-phenyl- (CA INDEX NAME)

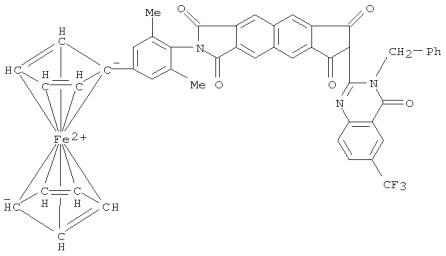


L4 ANSWER 21 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2003:335019 CAPLUS
DOCUMENT NUMBER: 138:346575
TITLE: Imide compounds and their application in optical recording media
INVENTOR(S): Ogiso, Akira; Shiozaki, Hiroyoshi; Ishida, Tsutomu; Tsukahara, Hisashi; Misawa, Tsutami; Inoue, Koji; Koike, Tadashi; Ueno, Keiji; Inatomi, Yuji; Nara, Ryousuke
PATENT ASSIGNEE(S): Mitsui Chemicals, Inc., Japan
SOURCE: PCT Int. Appl., 205 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003035407	A1	20030501	WO 2002-JP10939	20021022
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002344127	A1	20030506	AU 2002-344127	20021022
EP 1445115	A1	20040811	EP 2002-777915	20021022
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
CN 1575236	A	20050202	CN 2002-820890	20021022
CN 1311988	C	20070425		
TW 248064	B	20060121	TW 2002-91124357	20021022
EP 1930339	A2	20080611	EP 2008-1092	20021022
EP 1930339	A3	20080618		
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE, SK, TR				
JP 2004042596	A	20040212	JP 2002-324789	20021108
US 20050208425	A1	20050922	US 2004-493034	20040419
US 7259260	B2	20070821		
IN 2004KN00653	A	20060428	IN 2004-KN653	20040519
US 20070259151	A1	20071108	US 2007-822854	20070710
US 7405030	B2	20080729		

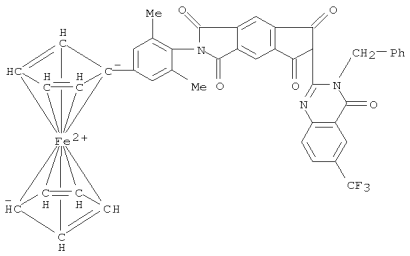
PRIORITY APPLN. INFO.: JP 2001-323900 A 20011022
JP 2001-344742 A 20011109
JP 2002-147538 A 20020522
JP 2002-210949 A 20020719
JP 2002-244776 A 20020826
JP 2002-246872 A 20020827
EP 2002-777915 A3 20021022
WO 2002-JP10939 W 20021022
US 2004-493034 A3 20040419

OTHER SOURCE(S): MARPAT 138:346575
AB An optical recording medium contains in its recording layer at least one imide compound having a metallocene substitution group.
IT 516516-32-8 516517-60-5 516518-81-3
RL: MOA (Modifier or additive use); USES (Uses)
(metallocene-containing imide compds. optical recording media)
RN 516516-32-8 CAPLUS
CN Ferrocene,
[4-[7-[3,4-dihydro-4-oxo-3-(phenylmethyl)-6-(trifluoromethyl)-2-quinazolinyl]-3,6,7,8-tetrahydro-1,3,6,8-tetraoxoindeno[5,6-f]isoindol-2(1H)-yl]-3,5-dimethylphenyl]- (9CI) (CA INDEX NAME)



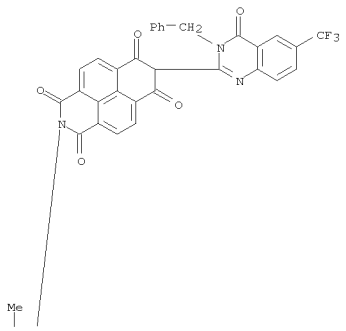
RN 516517-60-5 CAPLUS
CN Ferrocene,
[4-[6-[3,4-dihydro-4-oxo-3-(phenylmethyl)-6-(trifluoromethyl)-2-quinazolinyl]-3,5,6,7-tetrahydro-1,3,5,7-tetraoxocyclopent[f]isoindol-2(1H)-yl]-3,5-dimethylphenyl]- (9CI) (CA INDEX NAME)

L4 ANSWER 21 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



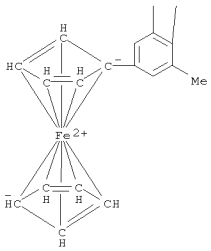
RN 516518-81-3 CAPLUS
CN Ferrocene,
[4-[7-[3,4-dihydro-4-oxo-3-(phenylmethyl)-6-(trifluoromethyl)-2-quinazolinyl]-3,6,7,8-tetrahydro-1,3,6,8-tetraoxonaphth[2,1,8-def]isoquinolin-2(1H)-yl]-3,5-dimethylphenyl]- (9CI) (CA INDEX NAME)

PAGE 1-A



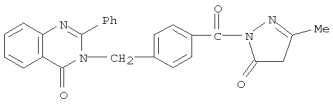
L4 ANSWER 21 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

PAGE 2-A

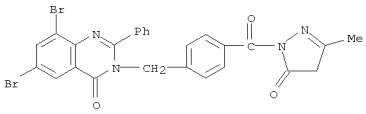


REFERENCE COUNT: 19 THERE ARE 19 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

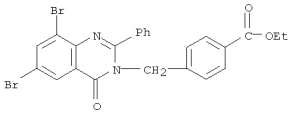
L4 ANSWER 22 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2002:862253 CAPLUS
DOCUMENT NUMBER: 139:292216
TITLE: Synthesis and antimicrobial activity of some pyrazoline derivatives of 4(3H)-quinazolinones. [Erratum to document cited in CA138:153499]
AUTHOR(S): Panda, J.; Srinivas, S. V.; Rao, M. E. Bhanoji; Panda, C. S.
CORPORATE SOURCE: Roland Institute of Pharmaceutical Sciences, Berhampur, 760 010, India
SOURCE: Journal of the Indian Chemical Society (2002), 79(10), 853
CODEN: JICSAH; ISSN: 0019-4522
PUBLISHER: Indian Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The corrected version of the structure diagram on page 770 is given.
IT 496050-58-9P 496050-59-0P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn of disubstituted pyrazoline derivs. of 4(3H)-quinazolinones from 2-substituted benzoxazinones and their antimicrobial activity (Erratum))
RN 496050-58-9 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[4-[(4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl)carbonyl]phenyl]methyl]-2-phenyl- (CA INDEX NAME)



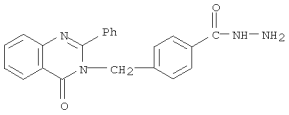
RN 496050-59-0 CAPLUS
CN 4(3H)-Quinazolinone, 6,8-dibromo-3-[[4-[(4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl)carbonyl]phenyl]methyl]-2-phenyl- (CA INDEX NAME)



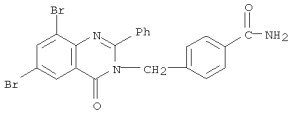
L4 ANSWER 22 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
ethyl ester (CA INDEX NAME)



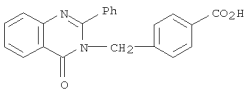
RN 496050-75-0 CAPLUS
CN Benzoic acid, 4-[(4-oxo-2-phenyl-3(4H)-quinazolinyl)methyl]-, hydrazide (CA INDEX NAME)



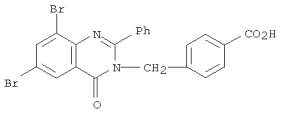
RN 496050-76-1 CAPLUS
CN Benzamide, 4-[(6,8-dibromo-4-oxo-2-phenyl-3(4H)-quinazolinyl)methyl]-(CA INDEX NAME)



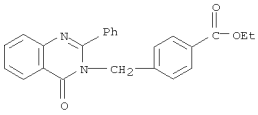
L4 ANSWER 22 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
IT 496050-64-7P 496050-65-8P 496050-70-5P 496050-71-6P 496050-75-0P 496050-76-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn of disubstituted pyrazoline derivs. of 4(3H)-quinazolinones from 2-substituted benzoxazinones and their antimicrobial activity (Erratum))
RN 496050-64-7 CAPLUS
CN Benzoic acid, 4-[(4-oxo-2-phenyl-3(4H)-quinazolinyl)methyl]- (CA INDEX NAME)



RN 496050-65-8 CAPLUS
CN Benzoic acid, 4-[(6,8-dibromo-4-oxo-2-phenyl-3(4H)-quinazolinyl)methyl]-(CA INDEX NAME)



RN 496050-70-5 CAPLUS
CN Benzoic acid, 4-[(4-oxo-2-phenyl-3(4H)-quinazolinyl)methyl]-, ethyl ester (CA INDEX NAME)

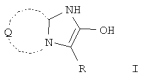


RN 496050-71-6 CAPLUS
CN Benzoic acid, 4-[(6,8-dibromo-4-oxo-2-phenyl-3(4H)-quinazolinyl)methyl]-,

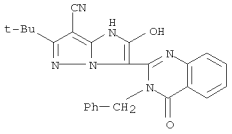
L4 ANSWER 23 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2002:827800 CAPLUS
DOCUMENT NUMBER: 137:343832
TITLE: Yellow dye-forming coupler and silver halide photographic material
INVENTOR(S): Shimada, Yasuhiro
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 24 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002318444	A	20021031	JP 2001-125012	20010423
PRIORITY APPLN. INFO.:			JP 2001-125012	20010423

OTHER SOURCE(S): MARPAT 137:343832
GI



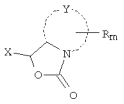
AB The yellow coupler I (Q = nonmetal atoms to form N-containing heterocycle; R = substituent) and Ag halide photog. material containing I are claimed. The releasing group of the coupler functions as a dye chromophore, and the coupler gives a dye with high mol. extinction coefficient and clear hue.
IT 473910-98-4
RL: TEM (Technical or engineered material use); USES (Uses)
(imidazole derivative yellow dye-forming coupler)
RN 473910-98-4 CAPLUS
CN 1H-Imidazo[1,2-b]pyrazole-7-carbonitrile, 3-[3,4-dihydro-4-oxo-3-(phenylmethyl)-2-quinazolinyl]-6-(1,1-dimethylethyl)-2-hydroxy- (CA INDEX NAME)



L4 ANSWER 24 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2002:792277 CAPLUS
DOCUMENT NUMBER: 137:317823
TITLE: Photographic coupler, silver halide photographic material, and manufacture of azomethine dye
INVENTOR(S): Uehira, Shigeo; Takeuchi, Kiyoshi; Shimada, Yasuhiro
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 37 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002302492	A	20021018	JP 2001-102014	20010330
PRIORITY APPLN. INFO.:			JP 2001-102014	20010330

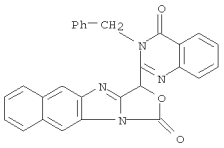
OTHER SOURCE(S): MARPAT 137:317823
GI



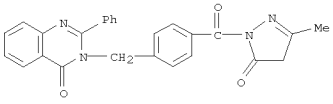
I

AB The coupler is I (Y = atoms comprising C and/or N atom forming 5- to 6-membered ring; R = substituent; m = 0-4; X = substituent). The photog. material contains ≥1 above coupler. The dye is manufactured by reacting I with p-phenylenediamine. The coupler showed improved hue and high molar absorption coefficient, the photog. material doing improved color development and light stability and the dye doing improved hue and storage stability.
IT 468743-63-7
RL: TEM (Technical or engineered material use); USES (Uses)
(oxazole derivative photog. yellow coupler)
RN 468743-63-7 CAPLUS
CN 1H,3H-Naphth[2',3':4,5]imidazo[1,2-c]oxazol-1-one, 3-[3,4-dihydro-4-oxo-3-(phenylmethyl)-2-quinazolinyl]- (CA INDEX NAME)

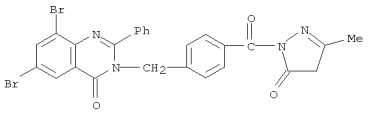
L4 ANSWER 24 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



L4 ANSWER 25 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2002:775314 CAPLUS
DOCUMENT NUMBER: 138:153499
TITLE: Synthesis and antimicrobial activity of some pyrazoline derivatives of 4(3H)-quinazolinones
AUTHOR(S): Panda, J.; Srinivas, S. V.; Rao, M. E. Bhanoji; Panda, C. S.
CORPORATE SOURCE: Roland Institute of Pharmaceutical Sciences, Berhampur, 760 010, India
SOURCE: Journal of the Indian Chemical Society (2002), 79(9), 770-771
CODEN: JICSAH; ISSN: 0019-4522
PUBLISHER: Indian Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 138:153499
AB The present communication describes the synthesis and antimicrobial activity of some new 6,8-disubstituted-2-(phenyl/methyl)-3-[(4-(3-methyl-5-pyrazolinon-1-yl)carbonyl)phenyl/benzyl/methyl]-4(3H)-quinazolinones.
IT 496050-58-9P 496050-59-0P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(prepn of disubstituted pyrazoline derivs. of 4(3H)-quinazolinones from 2-substituted benzoxazinones and their antimicrobial activity)
RN 496050-58-9 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[4-[(4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl)carbonyl]phenyl]methyl]-2-phenyl- (CA INDEX NAME)



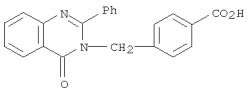
RN 496050-59-0 CAPLUS
CN 4(3H)-Quinazolinone, 6,8-dibromo-3-[[4-[(4,5-dihydro-3-methyl-5-oxo-1H-pyrazol-1-yl)carbonyl]phenyl]methyl]-2-phenyl- (CA INDEX NAME)



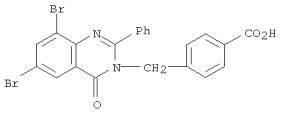
IT 496050-64-7P 496050-65-8P 496050-70-5P
496050-71-6P 496050-75-0P 496050-76-1P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(prepn of disubstituted pyrazoline derivs. of 4(3H)-quinazolinones from 2-substituted benzoxazinones and their antimicrobial activity)

L4 ANSWER 25 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

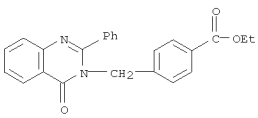
RN 496050-64-7 CAPLUS
CN Benzoic acid, 4-[(4-oxo-2-phenyl-3(4H)-quinazolinyl)methyl]- (CA INDEX NAME)



RN 496050-65-8 CAPLUS
CN Benzoic acid, 4-[(6,8-dibromo-4-oxo-2-phenyl-3(4H)-quinazolinyl)methyl]- (CA INDEX NAME)

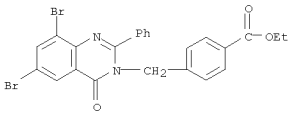


RN 496050-70-5 CAPLUS
CN Benzoic acid, 4-[(4-oxo-2-phenyl-3(4H)-quinazolinyl)methyl]-, ethyl ester (CA INDEX NAME)

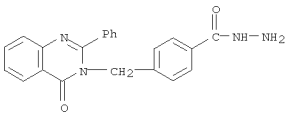


RN 496050-71-6 CAPLUS
CN Benzoic acid, 4-[(6,8-dibromo-4-oxo-2-phenyl-3(4H)-quinazolinyl)methyl]-, ethyl ester (CA INDEX NAME)

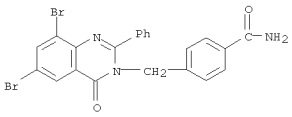
L4 ANSWER 25 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 496050-75-0 CAPLUS
CN Benzoic acid, 4-[(4-oxo-2-phenyl-3(4H)-quinazolinyl)methyl]-, hydrazide (CA INDEX NAME)

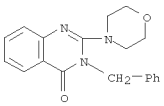


RN 496050-76-1 CAPLUS
CN Benzamide, 4-[(6,8-dibromo-4-oxo-2-phenyl-3(4H)-quinazolinyl)methyl]- (CA INDEX NAME)

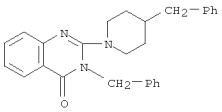


REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

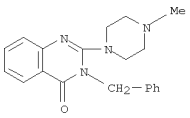
L4 ANSWER 26 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 485402-04-8 CAPLUS
CN 4(3H)-Quinazolinone, 3-(phenylmethyl)-2-[4-(phenylmethyl)-1-piperidinyl]- (CA INDEX NAME)

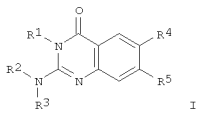


RN 485402-07-1 CAPLUS
CN 4(3H)-Quinazolinone, 2-(4-methyl-1-piperazinyl)-3-(phenylmethyl)- (CA INDEX NAME)



REFERENCE COUNT: 15 THERE ARE 15 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 26 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2002:543605 CAPLUS
DOCUMENT NUMBER: 138:106649
TITLE: Solid-phase synthesis of quinazolin-4(3H)-ones with three-point diversity
AUTHOR(S): Kesarwani, A. P.; Srivastava, G. K.; Rastogi, S. K.; Kundu, B.
CORPORATE SOURCE: Medicinal Chemistry Division, Central Drug Research Institute, Lucknow, 226 001, India
SOURCE: Tetrahedron Letters (2002), 43(32), 5579-5581 CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 138:106649
GI



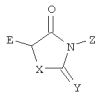
I

AB A versatile method for the solid-phase synthesis of differentially substituted quinazolin-4(3H)-ones I (R1 = Et, Ph, PhCH2; R2 = Bu, R3 = Me; R2R3N = N-methylpiperazino, 4-benzylpiperidino, morpholino; R4 = R5 = H, R4R5 = CH:CHCH:CH) was developed using immobilized arylguanidines. The latter were obtained by treating the amino group of polymer-linked aminoaryl amide with isothiocyanates R1NCS followed by coupling of resulting thioureas with secondary amines R3NHR4. Under mild acidic conditions, these immobilized arylguanidines underwent cyclization/polymer matrix cleavage to give I in high yields and purities.
IT 485402-00-4P 485402-04-8P 485402-07-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(solid-phase synthesis of (amino)quinazolinones with three points of diversity from aminoaryl carboxylic acids, isothiocyanates, and secondary amines)
RN 485402-00-4 CAPLUS
CN 4(3H)-Quinazolinone, 2-(4-morpholinyl)-3-(phenylmethyl)- (CA INDEX NAME)

L4 ANSWER 27 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2002:291843 CAPLUS
DOCUMENT NUMBER: 136:316838
TITLE: Color photographic paper comprising azomethine dye forming coupler
INVENTOR(S): Uehira, Shigeki; Ogasawara, Jun; Takeuchi, Kiyoshi; Shimada, Yasuhiro; Deguchi, Yasuaki
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 101 pp. CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1197799	A1	20020417	EP 2001-122626	20010927
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 2002107880	A	20020410	JP 2000-294964	20000927
JP 2002174884	A	20020621	JP 2001-101418	20010330
PRIORITY APPLN. INFO.:			JP 2000-294964 A	20000927
			JP 2000-297609 A	20000928
			JP 2001-101418 A	20010330

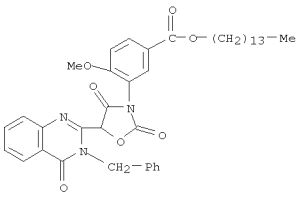
OTHER SOURCE(S): MARPAT 136:316838
GI



I

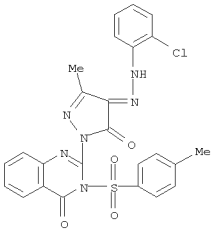
AB Disclosed is a photog. dye-forming coupler of the formula I (E = aryl, heterocyclic, -C(= O)W group, in which W = nitrogen-containing heterocyclic group; Z = aryl, heterocyclic; X, Y = O, S, N-R, in which R is a substituent, with the proviso that when E = aryl or heterocyclic group, X and Y are O, and when E = -C(= O)W group, Z is aryl). Also disclosed are a silver halide photog. paper that contains at least one dye-forming coupler of the formula I and a method for producing an azomethine dye using a compound of the formula I.
IT 411241-77-5P
RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(photog. coupler; silver halide photog. light-sensitive material comprising dye-forming coupler)
RN 411241-77-5 CAPLUS
CN Benzoic acid, 3-[5-[3,4-dihydro-4-oxo-3-(phenylmethyl)-2-quinazolinyl]-2,4-

L4 ANSWER 27 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
dioxo-3-oxazolidinyl]-4-methoxy-, tetradecyl ester (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 28 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



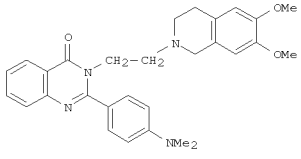
REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 28 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2002:222320 CAPLUS
DOCUMENT NUMBER: 138:4553
TITLE: Synthesis and antimicrobial activity of some 5-pyrazolone derivatives
AUTHOR(S): Salman, A. S. S.
CORPORATE SOURCE: Department of Chemistry, Faculty of Science, Girl's Branch, Al- Azhar University, Nasr City, Egypt
SOURCE: Al-Azhar Journal of Pharmaceutical Sciences (2001), 28, 48-62
CODEN: AAJPFT; ISSN: 1110-1644
PUBLISHER: Al-Azhar University, Faculty of Pharmacy
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 138:4553
GI

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Reaction of pyrazolone I (R = H) with β-(p-phenylbenzoyl)acrylic acid and acrylonitrile afforded propionic acid derivative and (cyanoethyl)pyrazolone derivative resp. Condensation of thionocarbamoylpyrazolone I [R = CSNH2 (II)] with anthranilic acid and Et cyanoacetate produced quinazolinone III and pyridazine derivs. Treatment of III with p-toluenesulfonyl chloride, phenylisothiocyanate, acrylonitrile and acetic anhydride yielded 3-substituted quinazolinones. Reaction of pyrazolone II with chloroacetic acid afforded thiazolinone IV.
The structures of the new compds. were confirmed by elemental analyses, spectroscopic measurements, and chemical reactions. Some of the newly synthesized compds. showed interesting antibacterial activities in vitro.
IT 477283-23-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and antimicrobial activity of pyrazolones via cyclocondensation
of (chlorophenyl)hydrazonoacetoacetate with hydrazine and semicarbazide
followed by modifications of N-substituents)
RN 477283-23-1 CAPLUS
CN 1H-Pyrazole-4,5-dione, 1-[3,4-dihydro-3-[(4-methylphenyl)sulfonyl]-4-oxo-2-quinazolinyl]-3-methyl-, 4-[2-(2-chlorophenyl)hydrazone] (CA INDEX NAME)

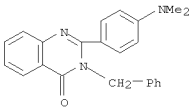
L4 ANSWER 29 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2002:116950 CAPLUS
DOCUMENT NUMBER: 137:163309
TITLE: Studies on Quinazolinones as Dual Inhibitors of Pgp and MRP1 in Multidrug Resistance
AUTHOR(S): Wang, Shouming; Ryder, Hamish; Pretswell, Ian; Depledge, Paul; Milton, John; Hancox, Timothy C.; Dale, Ian; Dangerfield, Wendy; Charlton, Peter; Faint,
Richard; Dodd, Rory; Hassan, Stephanie
CORPORATE SOURCE: Department of Medicinal Chemistry, Xenova Ltd., Slough, Berkshire, SL1 4NL, UK
SOURCE: Bioorganic & Medicinal Chemistry Letters (2002), 12(4), 571-574
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 137:163309
GI



I

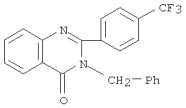
AB We have identified a series of quinazolinone analogs with potent dual inhibitory activities against both P glycoprotein (Pgp) and MRP1. Compound
I exhibits equal potentiation activity in both assays and appears to be slightly more active than VX-710 in reversal of Pgp and MRP1 mediated drug
resistance.
IT 81144-93-6P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(quinazolinone analogs with dual inhibitory activities against P glycoprotein and MRP1)
RN 81144-93-6 CAPLUS
CN 4(3H)-Quinazolinone, 2-[4-(dimethylamino)phenyl]-3-(phenylmethyl)- (CA INDEX NAME)

L4 ANSWER 29 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



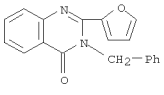
REFERENCE COUNT: 27 THERE ARE 27 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 30 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2002:97603 CAPLUS
DOCUMENT NUMBER: 137:63215
TITLE: Traceless synthesis of 3H-quinazolin-4-ones via a combination of solid-phase and solution methodologies
AUTHOR(S): O'Mahony, Donogh J. R.; Krchnak, Viktor
CORPORATE SOURCE: SIDDCO, Inc., Tucson, AZ, 85747, USA
SOURCE: Tetrahedron Letters (2002), 43(6), 939-942
CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 137:63215
AB A solid-phase traceless synthesis of 4-quinazolinones is described. An aldehyde functionalized resin was reductively aminated with primary amines, and the resin-bound secondary amine acylated with o-nitro-benzoic acids. The nitro group was reduced with tin(II) chloride, and the aniline acylated with acid anhydrides. Acidolytic cleavage afforded a diamide, which was cyclized in solution phase to the 4(3H)-quinazolinone removing the trace of the linker. Com. available polymer-bound 4-(4-formyl-3-methoxyphenoxy)-N-methylbutanamide was reductively aminated with 4-morpholinepropanamine, benzeneethanamine, 1-butanamine, 3-pyridinemethanamine or benzenemethanamine. The subsequent acylation of the intermediate amine was carried out using 2-nitrobenzoic acid, 5-(acetylamino)-2-nitrobenzoic acid or 4,5-dimethoxy-2-nitrobenzoic acid.
IT 439862-11-0P
RL: SPN (Synthetic preparation); PREP (Preparation)
(traceless synthesis of 3-aryl-2-alkyl-4(3H)-quinazolinone derivs. via solid-phase and solution-phase methods)
RN 439862-11-0 CAPLUS
CN 4(3H)-Quinazolinone, 3-(phenylmethyl)-2-[4-(trifluoromethyl)phenyl]- (CA INDEX NAME)



REFERENCE COUNT: 26 THERE ARE 26 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 31 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2002:63149 CAPLUS
DOCUMENT NUMBER: 136:401281
TITLE: Parallel fluorous biphasic synthesis of 3H-quinazolin-4-ones by an aza-Wittig reaction employing perfluoroalkyl-tagged triphenylphosphine
AUTHOR(S): Barthelemy, Sophie; Schneider, Siegfried; Bannwarth, Willi
CORPORATE SOURCE: Institut fur Organische Chemie und Biochemie, Universitat Freiburg, Freiburg, D-79104, Germany
SOURCE: Tetrahedron Letters (2002), 43(5), 807-810
CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER: Elsevier Science Ltd.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 136:401281
AB A perfluoroalkyl-tagged triphenylphosphine [i.e., tris[4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)phenyl]phosphine (I)] was applied in a fluorous biphasic system for the efficient parallel synthesis of 3H-quinazolin-4-ones via an Aza-Wittig reaction. The reaction of I with N-aroyl-N-alkyl-2-azidobenzamide derivs. gave the corresponding 2-[[tris[4-(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl)phenyl]phosphoranylidene]amino]-N-aroyl-N-alkylbenzamides. These were not isolated, but converted to the corresponding quinazolinones via an aza-Wittig reaction. The products were isolated by solid-phase extraction on fluorous reversed-phase silica gel.
A new solid-phase bound phosphine derivative was used for comparison and yielded similar results.
IT 256954-79-7P, 2-(2-Furanyl)-3-(phenylmethyl)-4(3H)-Quinazolinone
RL: CPN (Combinatorial preparation); CMBI (Combinatorial study); PREP (Preparation)
(preparation of fluorous biphasic combinatorial library of quinazolinone derivs. by Aza-Wittig reaction of trisheptadecafluorodecylphenylphosphoranylideneaminobenzamide intermediates)
RN 256954-79-7 CAPLUS
CN 4(3H)-Quinazolinone, 2-(2-furanyl)-3-(phenylmethyl)- (CA INDEX NAME)



REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

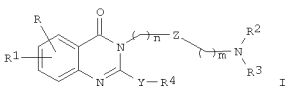
L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2001:247321 CAPLUS
DOCUMENT NUMBER: 134:280852
TITLE: Quinazolinones useful as glycoprotein IbIX antagonists, and their preparation and use for control of thrombotic disorders
INVENTOR(S): Mederski, Werner; Devant, Ralf; Barnickel, Gerhard; Bernotat-danielowski, Sabine; Melzer, Guido; Dhanoa, Daljit; Zhao, Bao-ping; Rinker, James; Player, Mark; Soll, Richard
PATENT ASSIGNEE(S): Merck Patent Gmbh, Germany; et al.
SOURCE: PCT Int. Appl., 104 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001023365	A1	20010405	WO 2000-EP8940	20000913
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2385921	A1	20010405	CA 2000-2385921	20000913
BR 2000014294	A	20020521	BR 2000-14294	20000913
EP 1216235	A1	20020626	EP 2000-965991	20000913
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL				
US 6890930	B1	20050510	US 2002-89166	20000913
NO 2002001502	A	20020326	NO 2002-1502	20020326

PRIORITY APPLN. INFO.: US 1999-407958 A 19990928
US 1999-287586P P 19990928
WO 2000-EP8940 W 20000913

OTHER SOURCE(S): MARPAT 134:280852
GI

L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



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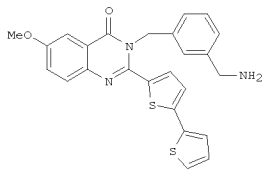


II

AB Quinazolinones I and their pharmaceutically tolerable salts and solvates are disclosed [in which R, R1 = H, A, OH, OA, OCH2Ar, Hal, NH2, NHA, NA2, NO2, cyano, COR2, CONH2, CONHA, CONA2, CO2H, CO2A, SO2A; R2, R3 = H, A, C(:NH)NH2, solid phase; R4 = Ar, phenylalkyl, cycloalkyl, Het; Y = bond, C2-4 alkylene; Z = bond, phenylene; A = (un)branched C1-6 alkyl; Ar = (un)substituted Ph, naphthyl, biphenyl, or benzofuranyl; Het = (un)substituted, (un)saturated mono- or bicyclic NOS heterocyclyl; Hal = F, Cl, Br, or iodo; n = 1-3; m = 0-3; with a variety of provisos]. The compds. are glycoprotein IbIX antagonists (no data), useful for treatment or prophylaxis of a variety of thrombotic disorders, or as anti-adhesive substances for implants, catheters, or heart pacemakers. For instance, an exemplary amine, 3-(aminomethyl)benzylamine, was supported on p-nitrophenyl carbonate resin, then coupled with various Fmoc-protected anthranilic acids. Cleavage of the Fmoc group, cyclocondensation with various aldehydes R4YCHO, oxidation of the resultant dihydroquinazolinone ring system, and cleavage from the resin with CF3CO2H, gave a variety of compds. I, e.g., the preferred compound II.

IT 332362-22-8P, 3-(3-Aminomethylbenzyl)-2-phenyl-3H-quinazolin-4-one 332362-23-9P, 3-(3-Aminomethylbenzyl)-6-chloro-2-phenyl-3H-quinazolin-4-one 332362-24-0P, 3-(3-Aminomethylbenzyl)-6-methyl-2-phenyl-3H-quinazolin-4-one 332362-25-1P, 3-(3-Aminomethylbenzyl)-6-methoxy-2-phenyl-3H-quinazolin-4-one 332362-26-2P, 3-(3-Aminomethylbenzyl)-6-chloro-2-(2-methylphenyl)-3H-quinazolin-4-one 332362-27-3P, 3-(3-Aminomethylbenzyl)-6-methyl-2-(2-methylphenyl)-3H-quinazolin-4-one 332362-28-4P, 3-(3-Aminomethylbenzyl)-7-chloro-2-(2-methylphenyl)-3H-quinazolin-4-one 332362-29-5P, 3-(3-Aminomethylbenzyl)-6-methoxy-2-(2-methylphenyl)-

L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

3H-quinazolin-4-one 332362-30-8P, 3-(3-Aminomethylbenzyl)-2-(2-methylphenyl)-3H-quinazolin-4-one 332362-31-9P, 3-(3-Aminomethylbenzyl)-6-chloro-2-(3-methylphenyl)-3H-quinazolin-4-one 332362-32-0P, 3-(3-Aminomethylbenzyl)-6-methyl-2-(3-methylphenyl)-3H-quinazolin-4-one 332362-33-1P, 3-(3-Aminomethylbenzyl)-7-chloro-2-(3-methylphenyl)-3H-quinazolin-4-one 332362-34-2P, 3-(3-Aminomethylbenzyl)-6-methoxy-2-(3-methylphenyl)-3H-quinazolin-4-one 332362-35-3P, 3-(3-Aminomethylbenzyl)-2-(3-methylphenyl)-3H-quinazolin-4-one 332362-36-4P, 3-(3-Aminomethylbenzyl)-6-chloro-2-(4-methylphenyl)-3H-quinazolin-4-one 332362-37-5P, 3-(3-Aminomethylbenzyl)-6-methyl-2-(4-methylphenyl)-3H-quinazolin-4-one 332362-38-6P, 3-(3-Aminomethylbenzyl)-7-chloro-2-(4-methylphenyl)-3H-quinazolin-4-one 332362-39-7P, 3-(3-Aminomethylbenzyl)-6-methoxy-2-(4-methylphenyl)-3H-quinazolin-4-one 332362-40-0P, 3-(3-Aminomethylbenzyl)-2-(4-methylphenyl)-3H-quinazolin-4-one 332362-41-1P, 3-(3-Aminomethylbenzyl)-6-chloro-2-(4-tert-butylphenyl)-3H-quinazolin-4-one 332362-42-2P, 3-(3-Aminomethylbenzyl)-6-methyl-2-(4-tert-butylphenyl)-3H-quinazolin-4-one 332362-43-3P, 3-(3-Aminomethylbenzyl)-7-chloro-2-(4-tert-butylphenyl)-3H-quinazolin-4-one 332362-44-4P, 3-(3-Aminomethylbenzyl)-6-methoxy-2-(4-tert-butylphenyl)-3H-quinazolin-4-one 332362-45-5P, 3-(3-Aminomethylbenzyl)-2-(4-tert-butylphenyl)-3H-quinazolin-4-one 332362-46-6P, 3-(3-Aminomethylbenzyl)-6-chloro-2-(3-chlorophenyl)-3H-quinazolin-4-one 332362-47-7P, 3-(3-Aminomethylbenzyl)-6-methyl-2-(3-chlorophenyl)-3H-quinazolin-4-one 332362-48-8P, 3-(3-Aminomethylbenzyl)-7-chloro-2-(3-chlorophenyl)-3H-quinazolin-4-one 332362-49-9P, 3-(3-Aminomethylbenzyl)-6-methoxy-2-(3-chlorophenyl)-3H-quinazolin-4-one 332362-50-2P, 3-(3-Aminomethylbenzyl)-2-(3-chlorophenyl)-3H-quinazolin-4-one 332362-51-3P, 3-(3-Aminomethylbenzyl)-6-chloro-2-(4-methoxyphenyl)-3H-quinazolin-4-one 332362-52-4P, 3-(3-Aminomethylbenzyl)-6-methyl-2-(4-methoxyphenyl)-3H-quinazolin-4-one 332362-53-5P, 3-(3-Aminomethylbenzyl)-7-chloro-2-(4-methoxyphenyl)-3H-quinazolin-4-one 332362-54-6P, 3-(3-Aminomethylbenzyl)-6-methoxy-2-(4-methoxyphenyl)-3H-quinazolin-4-one 332362-55-7P, 3-(3-Aminomethylbenzyl)-2-(4-methoxyphenyl)-3H-quinazolin-4-one 332362-56-8P,

3-(3-Aminomethylbenzyl)-2-[2,2']bithiophenyl-5-yl-6-chloro-3H-quinazolin-4-one 332362-57-9P, 3-(3-Aminomethylbenzyl)-2-[2,2']bithiophenyl-5-yl-6-methyl-3H-quinazolin-4-one 332362-58-0P,

3-(3-Aminomethylbenzyl)-2-[2,2']bithiophenyl-5-yl-7-chloro-3H-quinazolin-4-one 332362-59-1P, 3-(3-Aminomethylbenzyl)-2-[2,2']bithiophenyl-5-yl-6-methoxy-3H-quinazolin-4-one 332362-60-4P, 3-(3-Aminomethylbenzyl)-2-[2,2']bithiophenyl-5-yl-3H-quinazolin-4-one 332362-66-0P, 3-(3-Aminomethylbenzyl)-6-chloro-2-cyclohexyl-3H-quinazolin-4-one 332362-67-1P, 3-(3-Aminomethylbenzyl)-6-methyl-2-cyclohexyl-3H-quinazolin-4-one 332362-68-2P, 3-(3-Aminomethylbenzyl)-7-chloro-2-cyclohexyl-3H-quinazolin-4-one 332362-69-3P,

L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

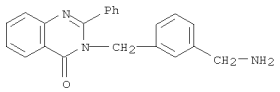
3-(3-Aminomethylbenzyl)-6-methoxy-2-cyclohexyl-3H-quinazolin-4-one 332362-70-6P, 3-(3-Aminomethylbenzyl)-2-cyclohexyl-3H-quinazolin-4-one 332362-76-2P, 3-(3-Aminomethylbenzyl)-2-biphenyl-4-yl-6-chloro-3H-quinazolin-4-one 332362-77-3P, 3-(3-Aminomethylbenzyl)-2-biphenyl-4-yl-6-methyl-3H-quinazolin-4-one 332362-78-4P, 3-(3-Aminomethylbenzyl)-2-biphenyl-4-yl-7-chloro-3H-quinazolin-4-one 332362-80-8P, 3-(3-Aminomethylbenzyl)-2-biphenyl-4-yl-6-methoxy-3H-quinazolin-4-one 332362-81-9P, 3-(3-Aminomethylbenzyl)-2-biphenyl-4-yl-3H-quinazolin-4-one 332362-82-0P, 3-(3-Aminomethylbenzyl)-2-thiophen-3-yl-6-chloro-3H-quinazolin-4-one 332362-83-1P, 3-(3-Aminomethylbenzyl)-2-thiophen-3-yl-6-methyl-3H-quinazolin-4-one 332362-84-2P, 3-(3-Aminomethylbenzyl)-2-thiophen-3-yl-7-chloro-3H-quinazolin-4-one 332362-85-3P, 3-(3-Aminomethylbenzyl)-2-thiophen-3-yl-3H-quinazolin-4-one 332362-87-5P, 3-(3-Aminomethylbenzyl)-2-thiophen-2-yl-6-chloro-3H-quinazolin-4-one 332362-88-6P, 3-(3-Aminomethylbenzyl)-2-thiophen-2-yl-6-methyl-3H-quinazolin-4-one 332362-89-7P, 3-(3-Aminomethylbenzyl)-2-thiophen-2-yl-7-chloro-3H-quinazolin-4-one 332362-90-0P, 3-(3-Aminomethylbenzyl)-2-thiophen-2-yl-6-methoxy-3H-quinazolin-4-one 332362-91-1P, 3-(3-Aminomethylbenzyl)-2-thiophen-2-yl-3H-quinazolin-4-one 332362-92-2P, 3-(3-Aminomethylbenzyl)-2-naphthalen-2-yl-6-chloro-3H-quinazolin-4-one 332362-93-3P, 3-(3-Aminomethylbenzyl)-2-naphthalen-2-yl-6-methyl-3H-quinazolin-4-one 332362-94-4P, 3-(3-Aminomethylbenzyl)-2-naphthalen-2-yl-7-chloro-3H-quinazolin-4-one 332362-95-5P, 3-(3-Aminomethylbenzyl)-2-naphthalen-2-yl-6-methoxy-3H-quinazolin-4-one 332362-96-6P, 3-(3-Aminomethylbenzyl)-2-naphthalen-2-yl-3H-quinazolin-4-one 332362-97-7P, 3-(3-Aminomethylbenzyl)-2-naphthalen-1-yl-6-chloro-3H-quinazolin-4-one 332362-98-8P, 3-(3-Aminomethylbenzyl)-2-naphthalen-1-yl-6-methyl-3H-quinazolin-4-one 332362-99-9P, 3-(3-Aminomethylbenzyl)-2-naphthalen-1-yl-7-chloro-3H-quinazolin-4-one 332363-00-5P, 3-(3-Aminomethylbenzyl)-2-naphthalen-1-yl-6-methoxy-3H-quinazolin-4-one 332363-01-6P, 3-(3-Aminomethylbenzyl)-2-naphthalen-1-yl-3H-quinazolin-4-one 332363-07-2P, 3-(3-Aminomethylbenzyl)-2-benzofuran-5-yl-6-chloro-3H-quinazolin-4-one 332363-08-3P, 3-(3-Aminomethylbenzyl)-2-benzofuran-5-yl-6-methyl-3H-quinazolin-4-one 332363-09-4P, 3-(3-Aminomethylbenzyl)-2-benzofuran-5-yl-7-chloro-3H-quinazolin-4-one 332363-10-7P, 3-(3-Aminomethylbenzyl)-2-benzofuran-5-yl-6-methoxy-3H-quinazolin-4-one 332363-11-8P, 3-(3-Aminomethylbenzyl)-2-benzofuran-5-yl-3H-quinazolin-4-one

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug candidate)

RN 332362-22-8 CAPLUS

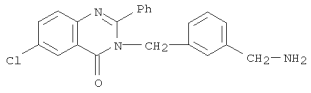
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-phenyl- (CA INDEX NAME)

L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



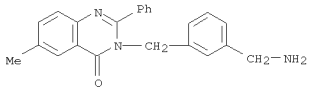
RN 332362-23-9 CAPLUS

CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-chloro-2-phenyl- (CA INDEX NAME)



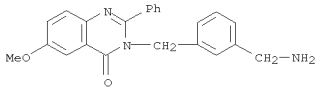
RN 332362-24-0 CAPLUS

CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-methyl-2-phenyl- (CA INDEX NAME)



RN 332362-25-1 CAPLUS

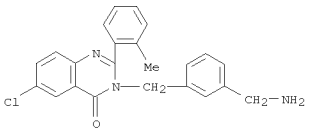
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-methoxy-2-phenyl- (CA INDEX NAME)



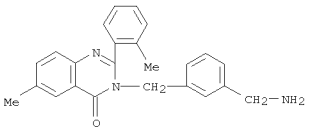
RN 332362-26-2 CAPLUS

CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-chloro-2-(2-methylphenyl)- (CA INDEX NAME)

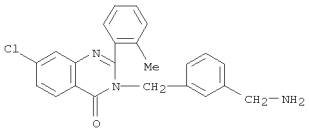
L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 332362-27-3 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-methyl-2-(2-methylphenyl)- (CA INDEX NAME)

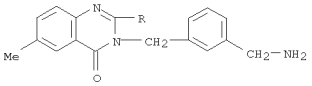


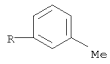
RN 332362-28-4 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-7-chloro-2-(2-methylphenyl)- (CA INDEX NAME)



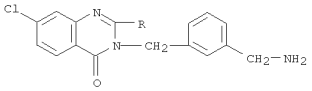
RN 332362-29-5 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-methoxy-2-(2-methylphenyl)- (CA INDEX NAME)

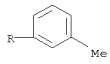
L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



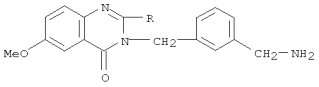


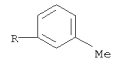
RN 332362-33-1 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-7-chloro-2-(3-methylphenyl)- (CA INDEX NAME)





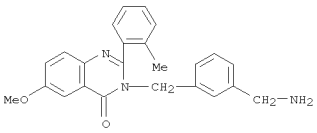
RN 332362-34-2 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-methoxy-2-(3-methylphenyl)- (CA INDEX NAME)



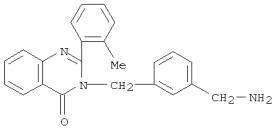


RN 332362-35-3 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-(3-methylphenyl)-

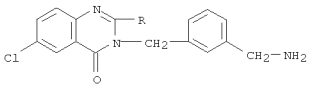
L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

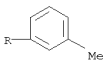


RN 332362-30-8 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-(2-methylphenyl)- (CA INDEX NAME)



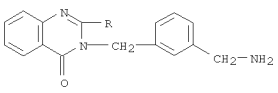
RN 332362-31-9 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-chloro-2-(3-methylphenyl)- (CA INDEX NAME)

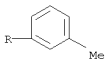




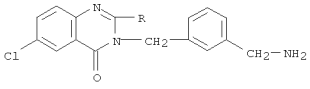
RN 332362-32-0 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-methyl-2-(3-methylphenyl)- (CA INDEX NAME)

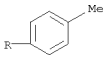
L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
(CA INDEX NAME)



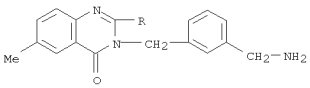


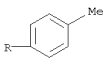
RN 332362-36-4 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-chloro-2-(4-methylphenyl)- (CA INDEX NAME)





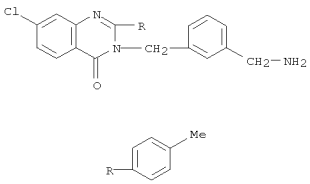
RN 332362-37-5 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-methyl-2-(4-methylphenyl)- (CA INDEX NAME)



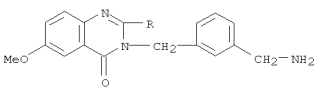


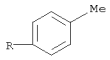
RN 332362-38-6 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-7-chloro-2-(4-

L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
methylphenyl)- (CA INDEX NAME)



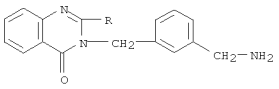
RN 332362-39-7 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-methoxy-2-(4-methylphenyl)- (CA INDEX NAME)

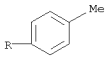




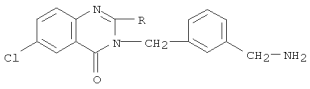
RN 332362-40-0 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-(4-methylphenyl)- (CA INDEX NAME)

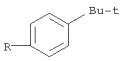
L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



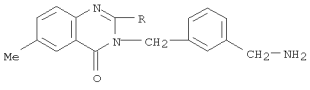


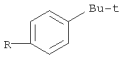
RN 332362-41-1 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-chloro-2-[4-(1,1-dimethylethyl)phenyl]- (CA INDEX NAME)



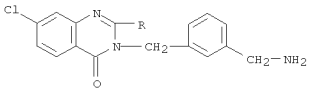


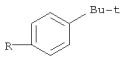
RN 332362-42-2 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-[4-(1,1-dimethylethyl)phenyl]-6-methyl- (CA INDEX NAME)



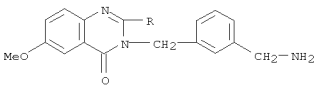


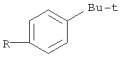
L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
RN 332362-43-3 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-7-chloro-2-[4-(1,1-dimethylethyl)phenyl]- (CA INDEX NAME)



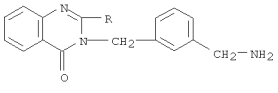


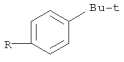
RN 332362-44-4 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-[4-(1,1-dimethylethyl)phenyl]-6-methoxy- (CA INDEX NAME)





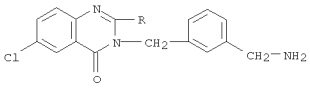
RN 332362-45-5 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-[4-(1,1-dimethylethyl)phenyl]- (CA INDEX NAME)

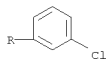




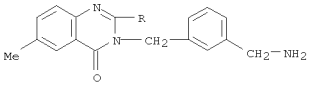
L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

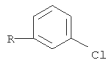
RN 332362-46-6 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-chloro-2-(3-chlorophenyl)- (CA INDEX NAME)





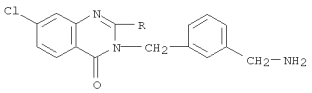
RN 332362-47-7 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-(3-chlorophenyl)-6-methyl- (CA INDEX NAME)

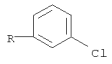




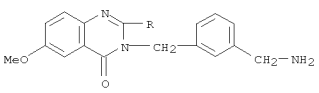
RN 332362-48-8 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-7-chloro-2-(3-chlorophenyl)- (CA INDEX NAME)

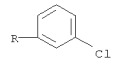
L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)





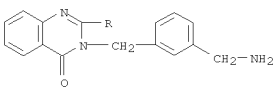
RN 332362-49-9 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-(3-chlorophenyl)-6-methoxy- (CA INDEX NAME)

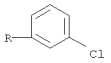




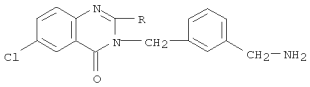
RN 332362-50-2 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-(3-chlorophenyl)- (CA INDEX NAME)

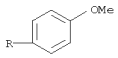
L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



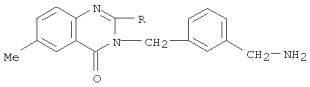


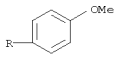
RN 332362-51-3 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-chloro-2-(4-methoxyphenyl)- (CA INDEX NAME)





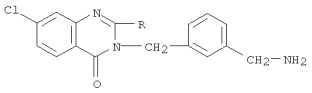
RN 332362-52-4 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-(4-methoxyphenyl)-6-methyl- (CA INDEX NAME)

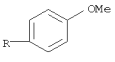




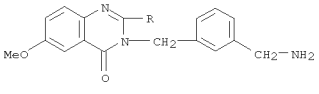
L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

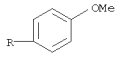
RN 332362-53-5 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-7-chloro-2-(4-methoxyphenyl)- (CA INDEX NAME)



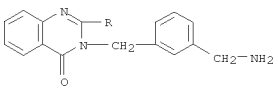


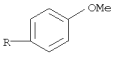
RN 332362-54-6 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-methoxy-2-(4-methoxyphenyl)- (CA INDEX NAME)





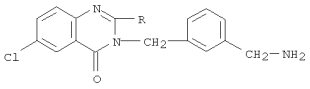
RN 332362-55-7 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-(4-methoxyphenyl)- (CA INDEX NAME)

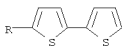




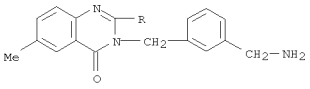
L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

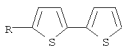
RN 332362-56-8 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-[2,2'-bithiophen]-5-yl-6-chloro- (CA INDEX NAME)





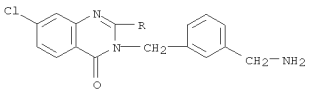
RN 332362-57-9 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-[2,2'-bithiophen]-5-yl-6-methyl- (CA INDEX NAME)

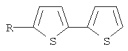




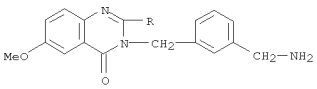
RN 332362-58-0 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-[2,2'-bithiophen]-5-yl-7-chloro- (CA INDEX NAME)

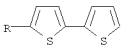
L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



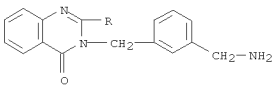


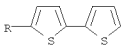
RN 332362-59-1 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-[2,2'-bithiophen]-5-yl-6-methoxy- (CA INDEX NAME)





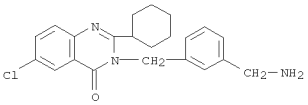
RN 332362-60-4 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-[2,2'-bithiophen]-5-yl- (CA INDEX NAME)



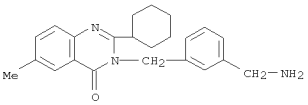


L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

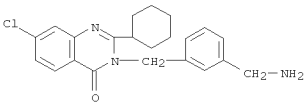
RN 332362-66-0 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-chloro-2-cyclohexyl- (CA INDEX NAME)



RN 332362-67-1 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-cyclohexyl-6-methyl- (CA INDEX NAME)

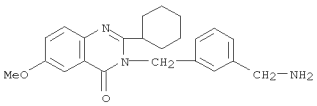


RN 332362-68-2 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-7-chloro-2-cyclohexyl- (CA INDEX NAME)

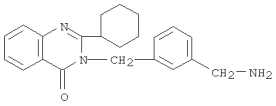


RN 332362-69-3 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-cyclohexyl-6-methoxy- (CA INDEX NAME)

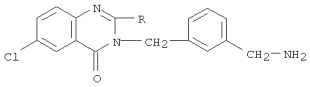
L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

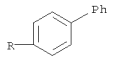


RN 332362-70-6 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-cyclohexyl- (CA INDEX NAME)



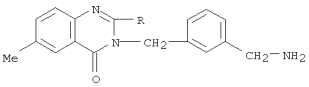
RN 332362-76-2 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-[1,1'-biphenyl]-4-yl-6-chloro- (CA INDEX NAME)

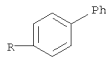




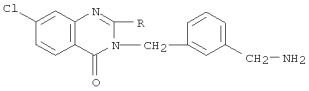
RN 332362-77-3 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-[1,1'-biphenyl]-4-yl-6-methyl- (CA INDEX NAME)

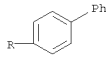
L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



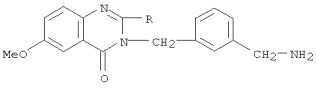


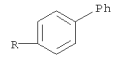
RN 332362-78-4 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-[1,1'-biphenyl]-4-yl-7-chloro- (CA INDEX NAME)





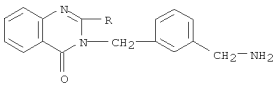
RN 332362-80-8 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-[1,1'-biphenyl]-4-yl-6-methoxy- (CA INDEX NAME)

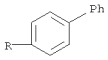




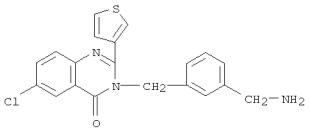
RN 332362-81-9 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-[1,1'-biphenyl]-4-

L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
yl- (CA INDEX NAME)

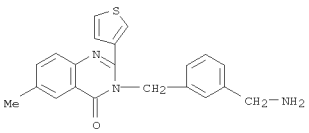




RN 332362-82-0 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-chloro-2-(3-thienyl)- (CA INDEX NAME)

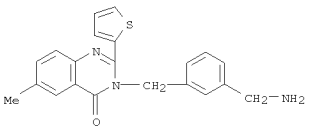


RN 332362-83-1 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-methyl-2-(3-thienyl)- (CA INDEX NAME)

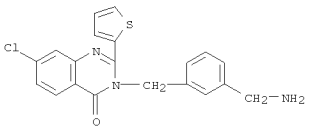


RN 332362-84-2 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-7-chloro-2-(3-thienyl)- (CA INDEX NAME)

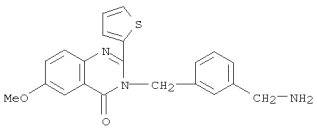
L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 332362-89-7 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-7-chloro-2-(2-thienyl)- (CA INDEX NAME)

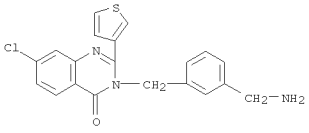


RN 332362-90-0 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-methoxy-2-(2-thienyl)- (CA INDEX NAME)

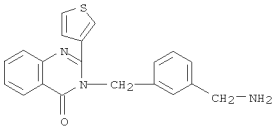


RN 332362-91-1 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-(2-thienyl)- (CA INDEX NAME)

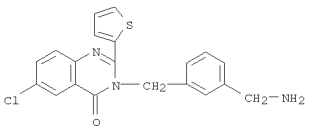
L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 332362-85-3 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-(3-thienyl)- (CA INDEX NAME)

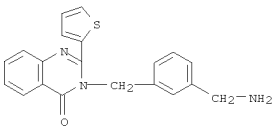


RN 332362-87-5 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-chloro-2-(2-thienyl)- (CA INDEX NAME)

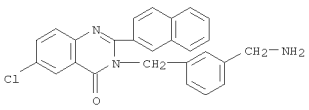


RN 332362-88-6 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-methyl-2-(2-thienyl)- (CA INDEX NAME)

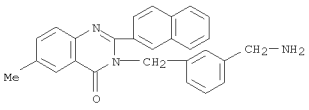
L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



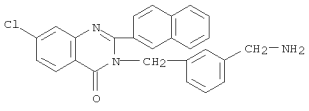
RN 332362-92-2 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-chloro-2-(2-naphthalenyl)- (CA INDEX NAME)



RN 332362-93-3 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-methyl-2-(2-naphthalenyl)- (CA INDEX NAME)

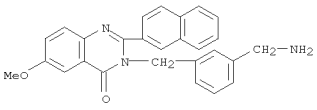


RN 332362-94-4 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-7-chloro-2-(2-naphthalenyl)- (CA INDEX NAME)

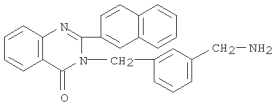


RN 332362-95-5 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-methoxy-2-(2-naphthalenyl)- (CA INDEX NAME)

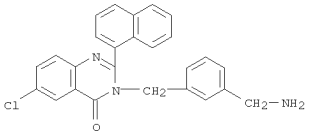
L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 332362-96-6 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-(2-naphthalenyl)- (CA INDEX NAME)

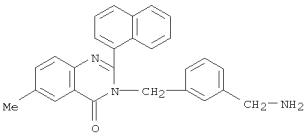


RN 332362-97-7 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-chloro-2-(1-naphthalenyl)- (CA INDEX NAME)

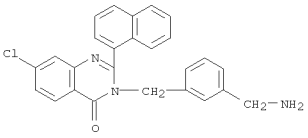


RN 332362-98-8 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-methyl-2-(1-naphthalenyl)- (CA INDEX NAME)

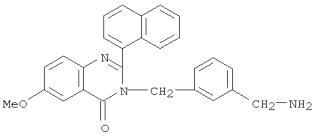
L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 332362-99-9 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-7-chloro-2-(1-naphthalenyl)- (CA INDEX NAME)

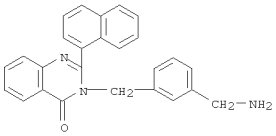


RN 332363-00-5 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-6-methoxy-2-(1-naphthalenyl)- (CA INDEX NAME)

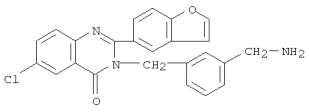


RN 332363-01-6 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-(1-naphthalenyl)- (CA INDEX NAME)

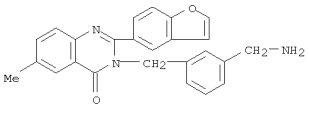
L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



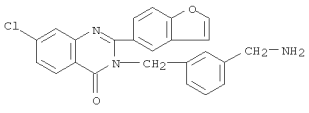
RN 332363-07-2 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-(5-benzofuranyl)-6-chloro- (CA INDEX NAME)



RN 332363-08-3 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-(5-benzofuranyl)-6-methyl- (CA INDEX NAME)



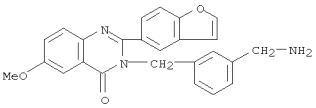
RN 332363-09-4 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-(5-benzofuranyl)-7-chloro- (CA INDEX NAME)



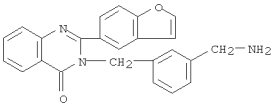
RN 332363-10-7 CAPLUS

L4 ANSWER 32 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-(5-benzofuranyl)-6-methoxy- (CA INDEX NAME)

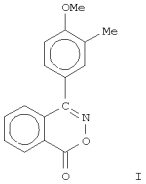


RN 332363-11-8 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[3-(aminomethyl)phenyl]methyl]-2-(5-benzofuranyl)- (CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

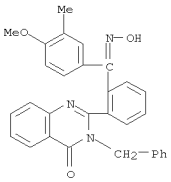
L4 ANSWER 33 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2001:209874 CAPLUS
DOCUMENT NUMBER: 135:272927
TITLE: Synthesis and behavior of a new benzoxazinone derivative towards nitrogen and carbon nucleophiles
AUTHOR(S): Kassab, E. A.
CORPORATE SOURCE: Industrial Education College, Cairo, Egypt
SOURCE: Egyptian Journal of Chemistry (2000), 43(5), 421-433
CODEN: EGJCA3; ISSN: 0449-2285
PUBLISHER: National Information and Documentation Centre
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 135:272927
GI



I

AB The benzoxazinone I was prepared of 2-(4-methoxy-3-methylbenzoyl)benzoic acid with anthranilic acid and was subjected to various reactions with amines as well as Friedel-Crafts reaction with arenes.
IT 362522-04-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and behavior of a new benzoxazinone derivative towards nitrogen and
carbon nucleophiles)
RN 362522-04-1 CAPLUS
CN 4(3H)-Quinazolinone, 2-[2-[(hydroxyimino)(4-methoxy-3-methylphenyl)methyl]phenyl]-3-(phenylmethyl)- (CA INDEX NAME)

L4 ANSWER 33 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

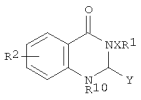


REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

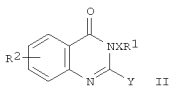
L4 ANSWER 34 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2000:335398 CAPLUS
DOCUMENT NUMBER: 132:334468
TITLE: Preparation of quinazolinones from isatoic anhydrides and alkylideneamines.
INVENTOR(S): Dener, Jeffrey Mark; Ly, Cuong Quoc
PATENT ASSIGNEE(S): Axys Pharmaceuticals, Inc., USA
SOURCE: PCT Int. Appl., 35 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000027831	A1	20000518	WO 1999-US26353	19991108
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
US 6187923	B1	20010213	US 1999-435517	19991108
PRIORITY APPLN. INFO.:			US 1998-107680P P	19981109

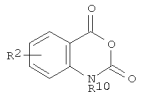
OTHER SOURCE(S): CASREACT 132:334468; MARPAT 132:334468
GI



I



II

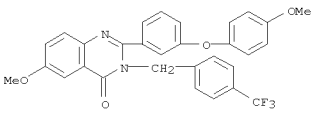


III

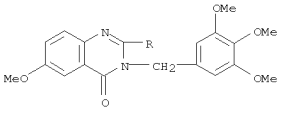
AB Title compds. [I, II; R1 = alkyl, alkoxy, (unsatd.) cycloalkyl, heteroaryl, (substituted) aryl, aralkyl, heteroaralkyl; R2 = H, alkyl, CO2H, alkoxycarbonyl, NO2, cyano, amino, alkyl, halo, etc.; X = (CH2)n; n = 1-4; Y = alkyl, cycloalkyl, (substituted) aryl; R10 = H, alkyl, (substituted) PhCH2, alkyl, alkoxycarbonylalkyl, etc.], were prepared by (1)
reaction of YCHO with R1XNH2 to give YHC:NXR2, (2) reaction of the latter

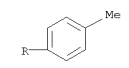
L4 ANSWER 34 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
with III (variables as above) to give I, and optionally oxidizing I followed by treatment with an aminomethyl polystyrene resin to give II.

Dihydro-(2H)-2-[3-(4-methoxyphenoxy)phenyl]-3-(4-trifluoromethylbenzyl)-6-methoxyquinazoline-4-one was shaken with DDQ in CHCl3 for 3.5-4 h followed
by purifn. by resin capture using VHL aminomethyl polystyrene resin to give 36.5% 2-[3-(4-methoxyphenoxy)phenyl]-3-(4-trifluoromethylbenzyl)-6-methoxyquinazoline-4-one.
IT 267665-39-4P 267665-42-9P 267665-43-0P
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(preparation of quinazolinones from isatoic anhydrides and alkylideneamines)
RN 267665-39-4 CAPLUS
CN 4(3H)-Quinazolinone, 6-methoxy-2-[3-(4-methoxyphenoxy)phenyl]-3-[[4-(trifluoromethyl)phenyl]methyl]- (CA INDEX NAME)



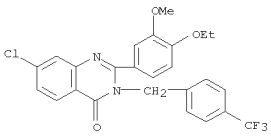
RN 267665-42-9 CAPLUS
CN 4(3H)-Quinazolinone, 6-methoxy-2-(4-methylphenyl)-3-[(3,4,5-trimethoxyphenyl)methyl]- (CA INDEX NAME)





RN 267665-43-0 CAPLUS
CN 4(3H)-Quinazolinone, 7-chloro-2-(4-ethoxy-3-methoxyphenyl)-3-[[4-(trifluoromethyl)phenyl]methyl]- (CA INDEX NAME)

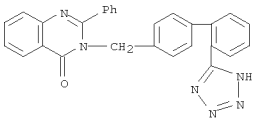
L4 ANSWER 34 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L4 ANSWER 35 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



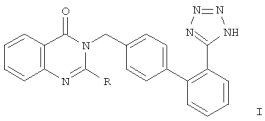
REFERENCE COUNT: 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE

FORMAT

L4 ANSWER 35 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1999:410555 CAPLUS
DOCUMENT NUMBER: 131:257512
TITLE: Studies on quinazolines. X. Synthesis and pharmacological evaluation of 4(3H)-quinazolinone biphenyl tetrazoles as angiotensin II antagonists
AUTHOR(S): Chern, Ji-Wang; Lo, Jir-Chun; Lin, Hua-Mei; Cheng, Fong-Chi; Usifoh, Cyril O.
CORPORATE SOURCE: School of Pharmacy, College of Medicine, National Taiwan University, Taipei, 100, Taiwan
SOURCE: Chinese Pharmaceutical Journal (Taipei) (1999), 51(1), 31-48
CODEN: CPHJEP; ISSN: 1016-1015
PUBLISHER: Pharmaceutical Society of Republic of China
DOCUMENT TYPE: Journal
LANGUAGE: English
GI

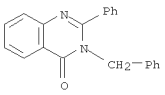


I

AB [(Tetrazolylbiphenylyl)methyl]quinazolinones I [R = CO2H, (CH2)3CO2H, CH2Ph, etc.] were prepared as potential angiotensin II antagonists. I (R = HO2C, EtO2C, H2NCO, Ph, HO2CCH2CH2, HO2CCH2CH2CH2, MeCOCH2CH2CH2, PhCH2) were selected for study. A preliminary assay against the angiotensin AT1 receptor revealed weak activity with IC50 values in the μM range. They also displayed lower affinity for the AT2 receptor than for the AT1 receptor. However, compds. with lipophilic or hydrophobic substituents displayed better affinity to AT1 receptors than compds. with polar or hydrophilic substituents. I (R = EtO2C) was most active against the AT1 receptor with an IC50 value of 0.56 μM.
IT 244781-09-7P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and angiotensin II antagonist activity of (tetrazolylbiphenylylmethyl)quinazolinones)
RN 244781-09-7 CAPLUS
CN 4(3H)-Quinazolinone, 2-phenyl-3-[[2'-(2H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]- (CA INDEX NAME)

L4 ANSWER 36 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1998:756491 CAPLUS
DOCUMENT NUMBER: 130:81480
TITLE: One-pot synthesis of substituted quinazolin-4(3H)-ones under microwave irradiation
AUTHOR(S): Rad-Moghadam, Kurosh; Khajavi, Mohammad S.
CORPORATE SOURCE: Chemistry Department, Shahid Beheshti University, Tehran, 19839, Iran
SOURCE: Journal of Chemical Research, Synopses (1998), (11), 702-703
CODEN: JRPSDC; ISSN: 0308-2342
PUBLISHER: Royal Society of Chemistry
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 130:81480
AB Synthesis of the title compds. by cyclocondensation of anthranilic acid, formic acid (or an ortho ester) and an amine in one pot under microwave irradiation takes place in a few minutes.
IT 19857-37-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(one-pot preparation of quinazolin-4(3H)-ones under microwave irradiation)
RN 19857-37-5 CAPLUS
CN 4(3H)-Quinazolinone, 2-phenyl-3-(phenylmethyl)- (CA INDEX NAME)

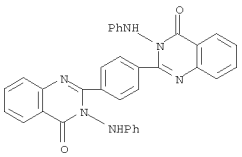


REFERENCE COUNT: 16 THERE ARE 16 CITED REFERENCES AVAILABLE FOR THIS

RECORD. ALL CITATIONS AVAILABLE IN THE RE

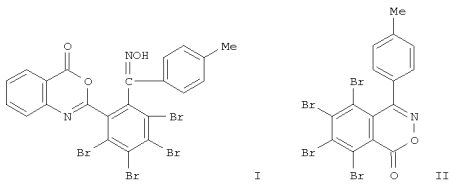
FORMAT

L4 ANSWER 37 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1998:569665 CAPLUS
DOCUMENT NUMBER: 129:260421
ORIGINAL REFERENCE NO.: 129:53073a,53076a
TITLE: Synthesis and reactions of 2,2'-(1,4-phenylene)-di-4H-benz-3,1-oxazin-4-one
AUTHOR(S): Hamad, M. M.; Haikal, A.; Said, S. A.; Sleim, A. F.
CORPORATE SOURCE: Chemistry Department, Faculty Science, Zagazig University, Zagazig, Egypt
SOURCE: Afinidad (1998), 55(475), 225-228
CODEN: AFINAE; ISSN: 0001-9704
PUBLISHER: Asociacion de Quimicos del Instituto Quimico de Sarria
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 129:260421
AB 2,2'-(1,4-Phenylene)-di-4H-benz-3,1-oxazin-4-one (1) was prepared in 80% yield from reaction of anthranilic acid and terephthaloyl chloride in xylene/pyridine with subsequent treatment with Ac2O. The reactions of (1) with primary aromatic amines, hydroxylamine, NaN3, P2S5, active methylene compds. and cyanoethanoic acid hydrazide to form the corresponding quinazolines, quinolines, and thiazine derivs. were studied.
IT 213457-82-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reactions of phenylenebis(benzoxazinone))
RN 213457-82-0 CAPLUS
CN 4(3H)-Quinazolinone, 2,2'-(1,4-phenylene)bis[3-(phenylamino)- (CA INDEX NAME)



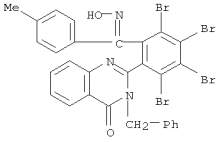
REFERENCE COUNT: 21 THERE ARE 21 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 38 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1997:674855 CAPLUS
DOCUMENT NUMBER: 127:331444
ORIGINAL REFERENCE NO.: 127:65093a,65096a
TITLE: Synthesis, behavior and biological activities of 1,3-benzoxazin-4-ones with a bulky substituent in the 2-position
AUTHOR(S): Amine, M. S.
CORPORATE SOURCE: Chemistry Department, Faculty of Science, Benha University, Benha, Egypt
SOURCE: Egyptian Journal of Chemistry (1997), 40(3), 231-238
CODEN: EGJCA3; ISSN: 0367-0422
PUBLISHER: National Information and Documentation Centre
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



AB Benzoxazinone I, prepared in 80% yield from benzoxazinone II and anthranilic acid, underwent several reactions including ring cleavage and cyclization to give bactericidal derivs. active against Bacillus subtilis, B. cereus, and Escherichia coli.
IT 197899-46-0P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and bactericidal activity of)
RN 197899-46-0 CAPLUS
CN 4(3H)-Quinazolinone, 3-(phenylmethyl)-2-[2,3,4,5-tetrabromo-6-[(hydroxyimino)(4-methylphenyl)methyl]phenyl]- (CA INDEX NAME)

L4 ANSWER 38 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

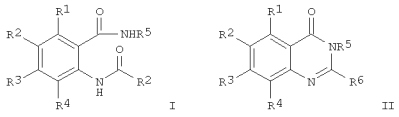


REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS
RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 39 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1997:251162 CAPLUS
DOCUMENT NUMBER: 126:251165
ORIGINAL REFERENCE NO.: 126:48567a,48570a
TITLE: Process for producing quinazolin-4-one derivatives by cyclocondensation
INVENTOR(S): Miyata, Kazuyoshi; Kurogi, Yasuhisa; Sakai, Yasuhiro; Tsuda, Yoshihiko
PATENT ASSIGNEE(S): Otsuka Pharmaceutical Factory, Inc., Japan
SOURCE: PCT Int. Appl., 32 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

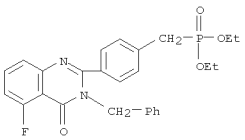
PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
WO 9708153	A1	19970306	WO 1996-JP2388		19960826
W: AU, CA, CN, JP, KR, US					
CA 2230237	A1	19970306	CA 1996-2230237		19960826
CA 2230237	C	20020226			
AU 9667554	A	19970319	AU 1996-67554		19960826
AU 697199	B2	19981001			
CN 1193967	A	19980923	CN 1996-196546		19960826
CN 1090621	C	20020911			
JP 3486752	B2	20040113	JP 1997-510117		19960826
US 5922866	A	19990713	US 1998-11826		19980225
PRIORITY APPLN. INFO.:			JP 1995-221518	A	19950830
			JP 1995-232146	A	19950911
			WO 1996-JP2388	W	19960826

OTHER SOURCE(S): CASREACT 126:251165; MARPAT 126:251165
GI



AB Claimed is a process comprising cyclizing compds. (I; R1-R4 = H, lower alkyl, NO2, halo, etc.; R5 = Ph, etc.; R6 = lower alkyl, etc.) by treating with a halogenaed trialkylsilane in the presence of a base to give quinazolin-4-one derivs. (II; R1-R6 = same as above), which are useful as drugs (no data) and intermediates in the synthesis thereof, in a high yield while suppressing the formation of byproducts. Thus, I [R1 = R2 = R4 = H, R3 = Cl, R5 = Me, R6 = p-C6H4CH2P(O)(OEt)2] was reacted with TMS-Cl in the presence of Et3N to give 93% II (R1-R6 = same as above).
IT 173018-48-9P

L4 ANSWER 39 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(process for producing quinazolin-4-one derivs. by cyclocondensation)
RN 173018-48-9 CAPLUS
CN Phosphonic acid, [[4-[5-fluoro-3,4-dihydro-4-oxo-3-(phenylmethyl)-2-quinazolinyl]phenyl]methyl]-, diethyl ester (9CI) (CA INDEX NAME)

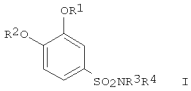


REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 40 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1997:44761 CAPLUS
DOCUMENT NUMBER: 126:59877
ORIGINAL REFERENCE NO.: 126:11757a,11760a
TITLE: Preparation of benzenesulfonyltetrahydroquinolines, -indolines, -isatins, and related compounds as inhibitors of phosphodiesterase IV and tumor necrosis factor.
INVENTOR(S): Montana, John; Dyke, Hazel Joan; Maxey, Robert James; Lowe, Christopher
PATENT ASSIGNEE(S): Chiroscience Limited, UK
SOURCE: PCT Int. Appl., 41 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

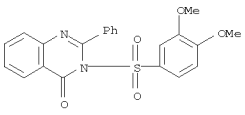
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9636611	A1	19961121	WO 1996-GB1203	19960520
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML				
AU 9657721	A	19961129	AU 1996-57721	19960520
ZA 9603999	A	19970520	ZA 1996-3999	19960520
US 5728712	A	19980317	US 1996-650672	19960520
PRIORITY APPLN. INFO.:			GB 1995-10184 A	19950519
			GB 1995-20419 A	19951006
			WO 1996-GB1203 W	19960520

OTHER SOURCE(S): MARPAT 126:59877
GI



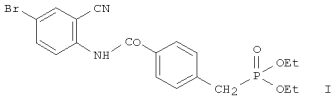
AB Title compds. [I; R1 = (substituted) alkyl, cycloalkyl; R2 = (halo-substituted) alkyl; R3R4N = (substituted) 5-7 membered heterocyclyl which is fused to a carbocyclic, aromatic, heterocyclic or heteroarom. ring;
with provisos], were prepared as inhibitors of phosphodiesterase IV and tumor necrosis factor (no data). Thus, 1,2,3,4-tetrahydroisoquinoline,

L4 ANSWER 40 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
3,4-dimethoxybenzenesulfonyl chloride, and Et3N were stirred 24 h in CH2Cl2 to give N-(3,4-dimethoxybenzenesulfonyl)-1,2,3,4-tetrahydroquinoline.
IT 185244-15-9P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of benzenesulfonyltetrahydroquinolines, -indolines, -isatins,
and related compds. as inhibitors of phosphodiesterase IV and tumor necrosis factor)
RN 185244-15-9 CAPLUS
CN 4(3H)-Quinazolinone, 3-[(3,4-dimethoxyphenyl)sulfonyl]-2-phenyl- (CA INDEX NAME)



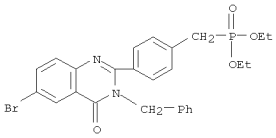
REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE
FORMAT

L4 ANSWER 41 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1996:148287 CAPLUS
DOCUMENT NUMBER: 124:219969
ORIGINAL REFERENCE NO.: 124:40381a,40384a
TITLE: Synthesis and Hypolipidemic Activities of Novel 2-[4-[(Diethoxyphosphoryl)methyl]phenyl]quinazolines and 4(3H)-Quinazolinones
AUTHOR(S): Kurogi, Yasuhisa; Inoue, Yasuhide; Tsutsumi, Kazuhiko;
Nakamura, Shizuo; Nagao, Kazushi; Yoshitsugu, Hiroki; Tsuda, Yoshihiko
CORPORATE SOURCE: Nutrition Research Institute, Otsuka Pharmaceutical Factory Inc., Naruto, 772, Japan
SOURCE: Journal of Medicinal Chemistry (1996), 39(7), 1433-7
CODEN: JMCMAR; ISSN: 0022-2623
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
GI

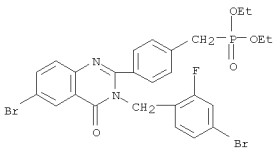


AB The novel compound NO-1886, 4-[(diethoxyphosphoryl)methyl]-N-(4-bromo-2-cyanophenyl)benzamide (I), a hypolipidemic agent which appears to increase
lipoprotein lipase activity in rats. Various analogs of NO-1886 were synthesized to study the structure-activity relation of this hypolipidemic
drug. A novel series of quinazolines and 4(3H)-quinazolinones were prepared
by cyclization of NO-1886 derivs. Derivs. bearing a 4-[(diethoxyphosphoryl)methyl]phenyl group at the 2-position were found to
lower triglyceride and total cholesterol levels. In accord with the decrease in log P*, quinazolines and 4(3H)-quinazolinones showed good
absorption and hypolipidemic activity. When the quinazolinone ring system
is substituted at positions 6 and 7 with methoxy groups, increased hypolipidemic activity was observed The highest hypolipidemic activity was
observed when the 3-position was substituted by a Me or benzyl group.
IT 173018-53-6P 173018-54-7P 173018-61-6P,
2-[4-[(Diethoxyphosphoryl)methyl]phenyl]-3-benzyl-6,7-dimethoxy-4(3H)-quinazolinone
RL: PRP (Properties); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(synthesis and hypolipidemic activities of novel 2-[4-[(diethoxyphosphoryl)methyl]phenyl]quinazolines and 4(3H)-quinazolinones)
RN 173018-53-6 CAPLUS

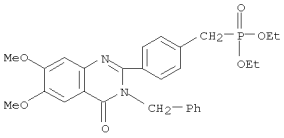
L4 ANSWER 41 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
CN Phosphonic acid, [[4-[6-bromo-3,4-dihydro-4-oxo-3-(phenylmethyl)-2-quinazolinyl]phenyl]methyl]-, diethyl ester (9CI) (CA INDEX NAME)



RN 173018-54-7 CAPLUS
CN Phosphonic acid, [[4-[6-bromo-3-[(4-bromo-2-fluorophenyl)methyl]-3,4-dihydro-4-oxo-2-quinazolinyl]phenyl]methyl]-, diethyl ester (9CI) (CA INDEX NAME)



RN 173018-61-6 CAPLUS
CN Phosphonic acid, [[4-[3,4-dihydro-6,7-dimethoxy-4-oxo-3-(phenylmethyl)-2-quinazolinyl]phenyl]methyl]-, diethyl ester (9CI) (CA INDEX NAME)



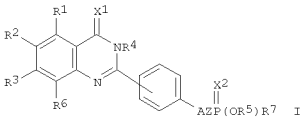
L4 ANSWER 42 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1995:994818 CAPLUS
DOCUMENT NUMBER: 124:117591
ORIGINAL REFERENCE NO.: 124:21913a,21916a
TITLE: Preparation and formulation of quinazolinonylbenzylphosphonic acid diester derivatives as hypolipemics, antihypertensives, and antidiabetics
INVENTOR(S): Kuroki, Yasuhisa; Miyata, Kazuyoshi; Tsuda, Yoshihiko; Inoue, Yasuhide; Kanaya, Jun; Sato, Keigo
PATENT ASSIGNEE(S): Otsuka Pharmaceutical Factory, Inc., Japan
SOURCE: PCT Int. Appl., 80 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

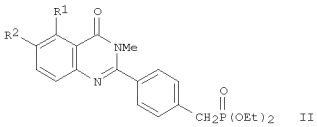
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9524410	A1	19950914	WO 1995-JP303	19950227
W: AU, CA, CN, KR, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
JP 08143586	A	19960604	JP 1995-35261	19950223
JP 3533542	B2	20040531		
CA 2184891	A1	19950914	CA 1995-2184891	19950227
CA 2184891	C	20000926		
AU 9518244	A	19950925	AU 1995-18244	19950227
AU 679344	B2	19970626		
EP 749974	A1	19961227	EP 1995-909996	19950227
EP 749974	B1	20010627		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT, SE				
CN 1147257	A	19970409	CN 1995-192824	19950227
CN 1066739	C	20010606		
AT 202567	T	20010715	AT 1995-909996	19950227
TW 379225	B	20000111	TW 1995-84102161	19950307
US 5798344	A	19980825	US 1996-704740	19960905

PRIORITY APPLN. INFO.: JP 1994-37361 A 19940308
JP 1994-126526 A 19940608
JP 1994-251484 A 19940919
WO 1995-JP303 W 19950227

OTHER SOURCE(S): MARPAT 124:117591
GI

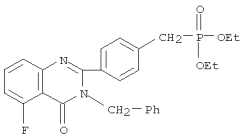
L4 ANSWER 42 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



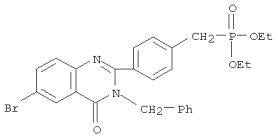


AB The title compds. I [R1, R2, R3 and R6 represent each independently hydrogen, lower alkyl, halogen, nitro, etc.; R4 represents Ph, lower alkyl, phenylalkyl, etc.; R5 represents lower alkyl; R7 represents lower alkoxy, hydroxy, Ph, or phenylated lower alkoxy or lower alkylamino wherein the Ph group may be halogenated; X1 and X2 represent each oxygen or sulfur; A represents oxygen or a single bond; and Z represents lower alkylene] are prepared The title compound II [R1 = F; R2 = H] at 100 mg/Kg orally decreased blood glucose in rats by 50%. The title compound II [R1 = H; R2 = Br] at 100 mg/Kg orally decreased plasma triglycerides in rats by 35%.
IT 173018-48-9P 173018-53-6P 173018-54-7P
173018-61-6P 173018-62-7P 173018-63-8P
173018-66-1P 173018-77-4P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of quinazolinonylbenzylphosphonic acid diester derivs. as hypolipemics, antihypertensives, and antidiabetics)
RN 173018-48-9 CAPLUS
CN Phosphonic acid, [[4-[5-fluoro-3,4-dihydro-4-oxo-3-(phenylmethyl)-2-quinazolinyl]phenyl]methyl]-, diethyl ester (9CI) (CA INDEX NAME)

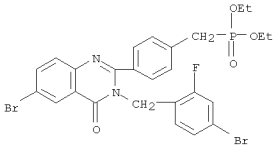
L4 ANSWER 42 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 173018-53-6 CAPLUS
CN Phosphonic acid, [[4-[6-bromo-3,4-dihydro-4-oxo-3-(phenylmethyl)-2-quinazolinyl]phenyl]methyl]-, diethyl ester (9CI) (CA INDEX NAME)

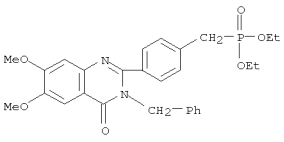


RN 173018-54-7 CAPLUS
CN Phosphonic acid, [[4-[6-bromo-3-[(4-bromo-2-fluorophenyl)methyl]-3,4-dihydro-4-oxo-2-quinazolinyl]phenyl]methyl]-, diethyl ester (9CI) (CA INDEX NAME)

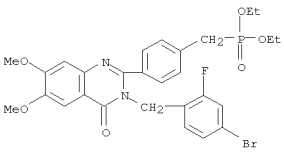


RN 173018-61-6 CAPLUS
CN Phosphonic acid, [[4-[3,4-dihydro-6,7-dimethoxy-4-oxo-3-(phenylmethyl)-2-quinazolinyl]phenyl]methyl]-, diethyl ester (9CI) (CA INDEX NAME)

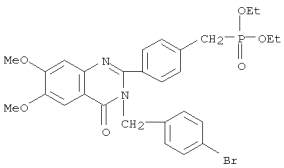
L4 ANSWER 42 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



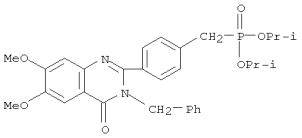
RN 173018-62-7 CAPLUS
CN Phosphonic acid, [[4-[3-[(4-bromo-2-fluorophenyl)methyl]-3,4-dihydro-6,7-dimethoxy-4-oxo-2-quinazolinyl]phenyl]methyl]-, diethyl ester (9CI) (CA INDEX NAME)



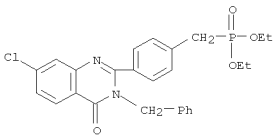
RN 173018-63-8 CAPLUS
CN Phosphonic acid, [[4-[3-[(4-bromophenyl)methyl]-3,4-dihydro-6,7-dimethoxy-4-oxo-2-quinazolinyl]phenyl]methyl]-, diethyl ester (9CI) (CA INDEX NAME)



RN 173018-66-1 CAPLUS
CN Phosphonic acid, [[4-[3,4-dihydro-6,7-dimethoxy-4-oxo-3-(phenylmethyl)-2-quinazolinyl]phenyl]methyl]-, bis(1-methylethyl) ester (9CI) (CA INDEX NAME)



RN 173018-77-4 CAPLUS
CN Phosphonic acid, [[4-[7-chloro-3,4-dihydro-4-oxo-3-(phenylmethyl)-2-quinazolinyl]phenyl]methyl]-, diethyl ester (9CI) (CA INDEX NAME)

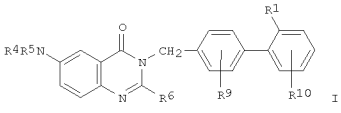


REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

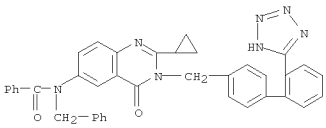
L4 ANSWER 43 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1995:494627 CAPLUS
DOCUMENT NUMBER: 123:306582
ORIGINAL REFERENCE NO.: 123:54671a,54674a
TITLE: Angiotensin II receptor subtype 2 receptor (AT2) antagonists for inhibition of vascular restenosis, their preparation, and pharmaceutical compositions containing them
INVENTOR(S): Reilly, Christopher F.; DeLaszlo, Stephen E.; Johnson, Robert G.; Fujita, Tsuneo
PATENT ASSIGNEE(S): Merck and Co., Inc., USA
SOURCE: PCT Int. Appl., 65 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9503055	A1	19950202	WO 1994-US7837	19940713
W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, GE, HU, JP, KE, KG, KR, KZ, LK, LT, LV, MD, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SI, SK, TJ, TT, UA, UZ				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5409926	A	19950425	US 1993-93833	19930719
AU 9473311	A	19950220	AU 1994-73311	19940713
PRIORITY APPLN. INFO.:			US 1993-93833 A	19930719
			WO 1994-US7837 W	19940713

OTHER SOURCE(S): CASREACT 123:306582; MARPAT 123:306582
GI



AB Disubstituted 6-aminoquinazolinones I [R1 = CO2R2 (R2 = H, C1-6 alkyl), tetrazol-5-yl; R4 = (substituted) C1-6 alkyl, C2-6 alkenyl, Ph C1-6 alkyl, heteroaryl C1-6 alkyl; R5 = CO2R7, COR8 (R7 = (substituted) C1-6 alkyl, Ph C1-6 alkyl, heteroaryl C1-6 alkyl; R8 = (substituted) C1-6 alkyl, Ph, heteroaryl, etc.); R6 = H, Me, Et, etc.; R9 = H, F, Cl, Br, I, C1-4 alkyl, C1-6 alkoxy; R10 = H, C1-5 alkyl, Ph] are useful as angiotensin II receptor (subtype 2) antagonists (AT2 antagonists) alone or in combination with heparin, and can act to suppress the vascular stenosis which commonly occurs during the development of atherosclerosis and the restenosis following arterial angioplasty, stent placement, bypass surgery, heart transplantation or endarterectomy. Prepn. of selected I is included. The effect of I (R1 = tetrazolyl; R4 = benzyl; R5 = CO-2-thiophene; R6 = Et; R9, R10 = H) (II) on restenosis in the rat was detd. Capsule, tablet, suppository, and injection formulations of II are presented.
IT 150484-45-0
RL: THU (Therapeutic use); BIOL (Biological study); USES (Uses)
(angiotensin II receptor subtype 2 receptor antagonists for inhibition of vascular restenosis, their preparation, and pharmaceutical compns. containing them)
RN 150484-45-0 CAPLUS
CN Benzamide, N-[2-cyclopropyl-3,4-dihydro-4-oxo-3-[[2'-(2H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-6-quinazolinyl]-N-(phenylmethyl)- (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 44 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1995:420519 CAPLUS
DOCUMENT NUMBER: 122:314564
ORIGINAL REFERENCE NO.: 122:57209a,57212a
TITLE: 6-Amino-3-(biphenylylmethyl)quinazolinones as angiotensin II antagonists
INVENTOR(S): De Laszlo, Stephen E.; Glinka, Tomasz W.; Greenlee, William J.; Chakravarty, Prasun K.; Patchett, Arthur A.
PATENT ASSIGNEE(S): Merck and Co., Inc., USA
SOURCE: U.S., 37 pp. Cont. of U.S. Ser. No. 912,458, abandoned.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5385894	A	19950131	US 1994-222354	19940404
PRIORITY APPLN. INFO.:			US 1991-665389	B2 19910306
			US 1992-912458	B1 19920713

OTHER SOURCE(S): MARPAT 122:314564
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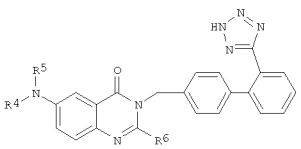
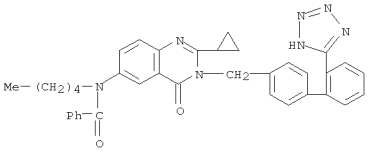
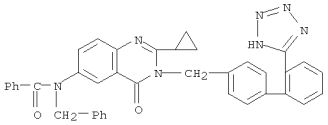


I

AB Novel disubstituted 6-aminoquinazolinones I (R4 = e.g., benzyl, Bu, Pr; R5 = e.g., CO2Bu-iso, CO2Me, CO2Pr; R6 = e.g., Bu, Pr) are useful as angiotensin II antagonists. In an antihypertensive screening, I exhibited an activity of IC50 < 50 mM, thereby demonstrating and confirming utility as AII antagonists. Pharmaceutical formulations were given.
IT 150484-44-9P 150484-45-0P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(6-amino-3-(biphenylylmethyl)quinazolinones as angiotensin II antagonists)
RN 150484-44-9 CAPLUS
CN Benzamide, N-[2-cyclopropyl-3,4-dihydro-4-oxo-3-[[2'-(2H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-6-quinazolinyl]-N-pentyl- (CA INDEX NAME)



RN 150484-45-0 CAPLUS
CN Benzamide, N-[2-cyclopropyl-3,4-dihydro-4-oxo-3-[[2'-(2H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-6-quinazolinyl]-N-(phenylmethyl)- (CA INDEX NAME)

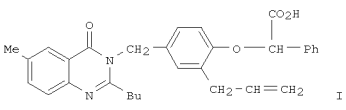


REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 45 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1994:692783 CAPLUS
DOCUMENT NUMBER: 121:292783
ORIGINAL REFERENCE NO.: 121:53299a,53302a
TITLE: Quinazolinones substituted with phenoxyphenylacetic acid derivatives for treatment of cardiovascular disorders
INVENTOR(S): Bagley, Scott W.; Chakravarty, Prasun K.; Chen, Anna; Dhanoa, Daljit S.; Fitch, Kenneth J.; Greenlee, William J.; Naylor, Elizabeth M.; Tata, James R.; Walsh, Thomas F.; Williams, David L., Jr.
PATENT ASSIGNEE(S): Merck and Co., Inc., USA
SOURCE: PCT Int. Appl., 127 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

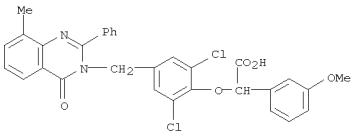
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9421259	A1	19940929	WO 1994-US2834	19940316
W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, HU, JP, KR, KZ, LK, LV, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SI, SK, TT, UA, US, UZ				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 5401745	A	19950328	US 1993-33595	19930319
AU 9465199	A	19941011	AU 1994-65199	19940316
PRIORITY APPLN. INFO.:			US 1993-33595 A	19930319
			WO 1994-US2834 W	19940316

OTHER SOURCE(S): MARPAT 121:292783
GI

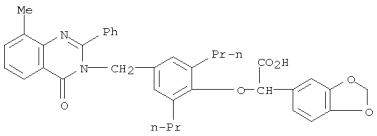


I

AB The title compds. have endothelin antagonist activity and are therefore useful in treating cardiovascular disorders, such as hypertension, postischemic renal failure, vasospasm, cerebral and cardiac ischemia, myocardial infarction, inflammatory diseases, Raynaud's disease, endotoxic shock, and asthma. Thus, the compds. inhibited endothelin-stimulated phosphatidylinositol hydrolysis in rat uterus or lung slices or at cloned human endothelin receptors expressed in CHO cells, with an IC50 of ≤50 μM. 2-Butyl-3-[4-[(1-carboxy-1-phenyl)methoxy]-3-allylphenyl]methyl-6-methylquinazolin-4(3H)-one (I) was prepared in 8 steps, including preparation of 2-butyl-6-methylquinazolin-4(1H)-one from 2-amino-5-methylbenzoic acid and valeryl chloride and its condensation with Me 2-(4-bromomethyl-2-allylphenoxy)-2-phenylacetate.
IT 159238-68-3P 159238-97-8P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(quinazolinones substituted with phenoxyphenylacetic acid derivs. for treatment of cardiovascular disorders)
RN 159238-68-3 CAPLUS
CN Benzeneacetic acid, α-[2,6-dichloro-4-[(8-methyl-4-oxo-2-phenyl-3(4H)-quinazolinyl)methyl]phenoxy]-3-methoxy- (CA INDEX NAME)

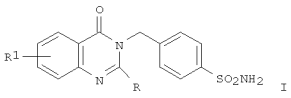


RN 159238-97-8 CAPLUS
CN 1,3-Benzodioxole-5-acetic acid, α-[4-[(8-methyl-4-oxo-2-phenyl-3(4H)-quinazolinyl)methyl]-2,6-dipropylphenoxy]- (CA INDEX NAME)



REFERENCE COUNT: 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

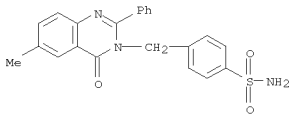
L4 ANSWER 46 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1994:579538 CAPLUS
DOCUMENT NUMBER: 121:179538
ORIGINAL REFERENCE NO.: 121:32611a,32614a
TITLE: Synthesis of some new 4(3H)-quinazolinones as potential anticonvulsants
AUTHOR(S): Ossman, Abdul-Rahman El-Naser; Barakat, Saber El-Sayed
CORPORATE SOURCE: Dep. Pharm. Chem., Fac. Pharm. Al-Azhar Univ., Cairo, Egypt
SOURCE: Saudi Pharmaceutical Journal (1994), 2(1), 21-31
CODEN: SPJOEM; ISSN: 1319-0164
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



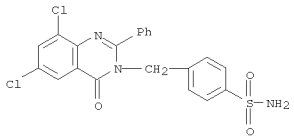
I

AB Condensation of various 4H-3,1-benzoxazin-4-ones with homosulfanilamide afforded some new derivs. of 3-(p-sulfamoylbenzyl)-4(3H)-quinazolinone I (R = Me, Et, Pr, Ph, PHCH2; R1 = H, Br, Cl, Me, O2N). Some o-amido-N-(p-sulfamoylbenzyl)benzamides were isolated as reaction intermediates. Structures of the newly synthesized compds. were confirmed by IR, IH-NMR, MS and elemental analyses. Several I exhibited good anticonvulsant effects against pentylenetetraxol-induced convulsions in frogs. Compound I (R = Me, R1 = 6-Me) was 2.33 times as potent as phenobarbitone.
IT 157833-96-0P 157833-97-1P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of, as anticonvulsant)
RN 157833-96-0 CAPLUS
CN Benzenesulfonamide, 4-[(6-methyl-4-oxo-2-phenyl-3(4H)-quinazolinyl)methyl]- (CA INDEX NAME)

L4 ANSWER 46 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 157833-97-1 CAPLUS
CN Benzenesulfonamide, 4-[(6,8-dichloro-4-oxo-2-phenyl-3(4H)-quinazolinyl)methyl]- (CA INDEX NAME)

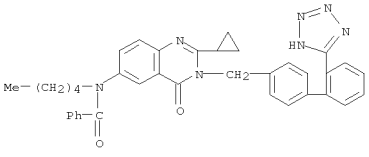


L4 ANSWER 47 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1993:595691 CAPLUS
DOCUMENT NUMBER: 119:195691
ORIGINAL REFERENCE NO.: 119:34665a,34668a
TITLE: Substituted quinazolinones as neurotensin antagonists useful in the treatment of CNS disorders
INVENTOR(S): Chakravarty, Prasun K.; Naylor, E. M.; Ransom, Richard W.
PATENT ASSIGNEE(S): Merck and Co., Inc., USA
SOURCE: U.S., 18 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5204354	A	19930420	US 1992-826726	19920214

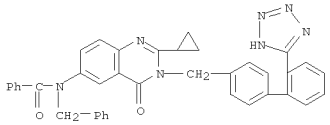
PRIORITY APPLN. INFO.: US 1992-826726 19920214

OTHER SOURCE(S): MARPAT 119:195691
AB Substituted quinazolinones (Markush shown) are useful for treating central nervous system (CNS) disorders, e.g. psychoses, depression, cognitive dysfunction, anxiety, tardive dyskinesia, drug dependence, panic attack, and mania. The compds. had IC50 <50μM in a neurotensin binding assay using human frontal cortex.
IT 150484-44-9 150484-45-0
RL: BIOL (Biological study)
(as neurotensin antagonist, for treating central nervous system disorders)
RN 150484-44-9 CAPLUS
CN Benzamide, N-[2-cyclopropyl-3,4-dihydro-4-oxo-3-[[2'-(2H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-6-quinazolinyl]-N-pentyl- (CA INDEX NAME)



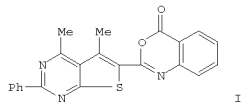
RN 150484-45-0 CAPLUS
CN Benzamide, N-[2-cyclopropyl-3,4-dihydro-4-oxo-3-[[2'-(2H-tetrazol-5-yl)[1,1'-biphenyl]-4-yl]methyl]-6-quinazolinyl]-N-(phenylmethyl)- (CA INDEX NAME)

L4 ANSWER 47 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 48 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1992:651324 CAPLUS
DOCUMENT NUMBER: 117:251324
ORIGINAL REFERENCE NO.: 117:43515a,43518a
TITLE: Some reactions with 4-carboxymethylthio-2-phenyl-5-acetylpyrimidine
AUTHOR(S): El-Bahaie, S.; Bayoumy, B. E.; Assy, M. G.; El-Kafrawy, A.; Yousif, Sh.
CORPORATE SOURCE: Fac. Sci., Zagazig Univ., Zagazig, Egypt
SOURCE: Egyptian Journal of Pharmaceutical Sciences (1991), 32(1-2), 415-20
CODEN: EJPSBZ; ISSN: 0301-5068
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 117:251324
GI



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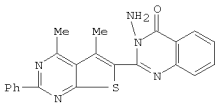
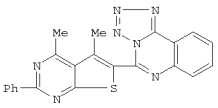


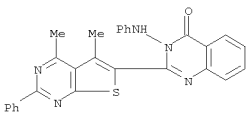
II



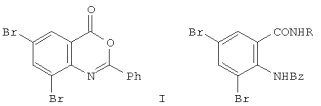
III

AB (Thienopyrimidinyl)benzoxazinone I was prepared Hydrazinolysis of I gave the (thienopyrimidinyl)quinazolinone II. The tetrazoloquinazolinylthieny[2,3-d]pyrimidine III was also prepared
IT 139436-16-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 139436-16-1 CAPLUS
CN 4(3H)-Quinazolinone, 2-(4,5-dimethyl-2-phenylthieno[2,3-d]pyrimidin-6-yl)-3-(phenylamino)- (CA INDEX NAME)

L4 ANSWER 48 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



L4 ANSWER 49 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1992:591425 CAPLUS
DOCUMENT NUMBER: 117:191425
ORIGINAL REFERENCE NO.: 117:33047a,33050a
TITLE: The role of steric and electronic factors on the mode of reaction of amines with 2-substituted 6,8-dibromo-3,1-benzoxazin-4-ones
AUTHOR(S): Ismail, M. Fekry; Moemen, Abdel; El-Khamry, A.; Abdel-Hamid, Hoda A.; Emara, Samir A.
CORPORATE SOURCE: Fac. Sci., Ain Shams Univ., Cairo, Egypt
SOURCE: Egyptian Journal of Chemistry (1991), 32(6), 651-60
CODEN: EGJCA3; ISSN: 0367-0422
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



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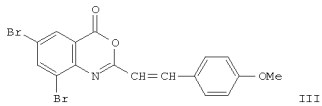
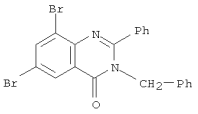
II



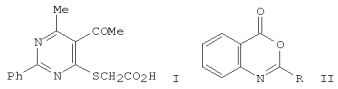
III

AB Dibromophenylbenzoxazinone I reacts with RNH2 (R = Me, Bu, CH2Ph, CH2CH2OH, 4-MeC6H4, etc.) to give benzamides II. The reaction of I with morpholine and piperidine also gave the corresponding benzamides. (Methoxystyryl)-substituted benzoxazinone III, where the steric effect around the 2-position is highly diminished, also gave the benzamides when reacted with amines.
IT 143949-61-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 143949-61-5 CAPLUS
CN 4(3H)-Quinazolinone, 6,8-dibromo-2-phenyl-3-(phenylmethyl)- (CA INDEX NAME)



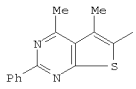
L4 ANSWER 49 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

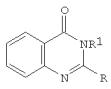
L4 ANSWER 50 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1992:151703 CAPLUS
DOCUMENT NUMBER: 116:151703
ORIGINAL REFERENCE NO.: 116:25677a,25680a
TITLE: Reactions with 4-carboxymethylthio-2-phenyl-5-acetylpyrimidine
AUTHOR(S): El-Bahaie, Said; Bayoumy, Basher E.; Assy, M. G.; Yousif, S.
CORPORATE SOURCE: Fac. Sci., Zagazig Univ., Zagazig, Egypt
SOURCE: Polish Journal of Chemistry (1991), 65(5-6), 1059-64
CODEN: PJCHDQ; ISSN: 0137-5083
DOCUMENT TYPE: Journal
LANGUAGE: English
GI

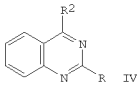

I

II

Q=

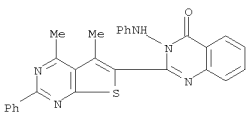



III

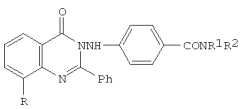

IV

AB Treating the title compound I sequentially with SOCl2, 2-H2NC6H4CO2H in AcOH, and Ac2O gave oxobenzoxazinylthienopyrimidine II (R = Q). Cyclocondensation of II with aromatic amines, hydrazines, NH3 and glycine gave quinazolines III (R1 = Ph, C6H4Br-4, C6H4OMe-4, NH2, NHPh, CH2CO2H, H). Chlorination of III (R1 = H) with PCl5-POCl3 led to a number of quinazolinylthienopyrimidine derivs., e.g., IV (R2 = NHPh, NHNHPh, NHN:CHPh, NHNHCOC6H4Cl-4), via substitution of IV (R2 = Cl) and in some cases condensation with aldehydes or acylation with acid chlorides.
IT 139436-16-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 139436-16-1 CAPLUS
CN 4(3H)-Quinazolinone, 2-(4,5-dimethyl-2-phenylthieno[2,3-d]pyrimidin-6-yl)-3-(phenylamino)- (CA INDEX NAME)

L4 ANSWER 50 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



L4 ANSWER 51 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1991:62035 CAPLUS
DOCUMENT NUMBER: 114:62035
ORIGINAL REFERENCE NO.: 114:10643a,10646a
TITLE: Synthesis and pharmacological screening of 2-phenyl-3-[4-(N,N-disubstituted carbamoyl)phenylamino]-8-substituted-4(3H)-quinazolones
AUTHOR(S): Nigam, Rita; Saxena, V. K.; Chowdhury, S. R.
CORPORATE SOURCE: Dep. Chem., Lucknow Univ., Lucknow, 226 007, India
SOURCE: Indian Drugs (1989), 27(3), 169-71
CODEN: INDRBA; ISSN: 0019-462X
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 114:62035
GI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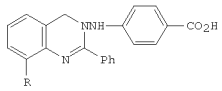
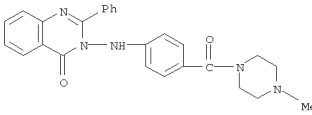
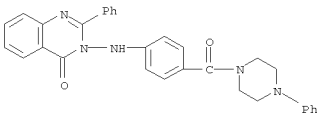

II

AB Twelve new title compds. I [R = H, Br; NR1R2 = morpholino, piperidino, 4-methylpiperazino, 4-phenylpiperazino, N(CH2CH2OH)2, NEt2] were prepared by reacting acids II (R = H, Br) with SOCl2, followed by condensation with secondary amines. I were tested for central nervous system (CNS) and antiinflammatory activity. I [R = H, NR1R2 = morpholino, piperidino, N(CH2CH2OH)2] were CNS stimulants. Other I (R = H) were CNS depressants. I (R = Br) were CNS stimulants. Some I also showed antiinflammatory activity.
IT 131604-12-1P 131604-13-2P 131604-15-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and central nervous system depressant and antiinflammatory activity of)
RN 131604-12-1 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[4-[(4-methyl-1-piperazinyl)carbonyl]phenyl]amino]-2-phenyl- (CA INDEX NAME)

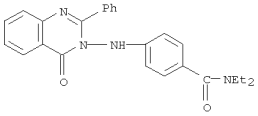
L4 ANSWER 51 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



RN 131604-13-2 CAPLUS
CN 4(3H)-Quinazolinone, 2-phenyl-3-[[4-[(4-phenyl-1-piperazinyl)carbonyl]phenyl]amino]- (CA INDEX NAME)

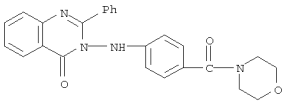


RN 131604-15-4 CAPLUS
CN Benzamide, N,N-diethyl-4-[(4-oxo-2-phenyl-3(4H)-quinazolinyl)amino]- (CA INDEX NAME)

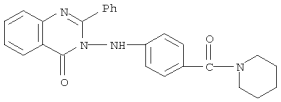


IT 131604-10-9P 131604-11-0P 131604-14-3P
131604-16-5P 131604-17-6P 131604-18-7P
131604-19-8P 131604-20-1P 131604-21-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and central nervous system stimulant and antiinflammatory activity of)
RN 131604-10-9 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[4-(4-morpholinylcarbonyl)phenyl]amino]-2-phenyl- (CA INDEX NAME)

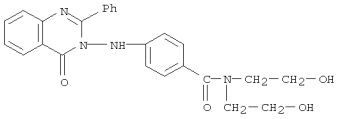
L4 ANSWER 51 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



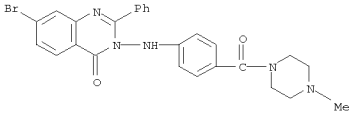
RN 131604-11-0 CAPLUS
CN 4(3H)-Quinazolinone, 2-phenyl-3-[[4-(1-piperidinylcarbonyl)phenyl]amino]- (CA INDEX NAME)



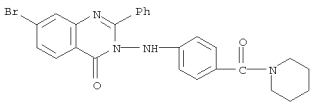
RN 131604-14-3 CAPLUS
CN Benzamide, N,N-bis(2-hydroxyethyl)-4-[(4-oxo-2-phenyl-3(4H)-quinazolinyl)amino]- (CA INDEX NAME)



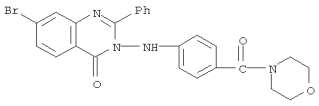
RN 131604-16-5 CAPLUS
CN 4(3H)-Quinazolinone, 7-bromo-3-[[4-[(4-methyl-1-piperazinyl)carbonyl]phenyl]amino]-2-phenyl- (CA INDEX NAME)



L4 ANSWER 51 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

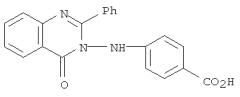


RN 131604-21-2 CAPLUS
CN 4(3H)-Quinazolinone, 7-bromo-3-[[4-(4-morpholinylcarbonyl)phenyl]amino]-2-phenyl- (CA INDEX NAME)

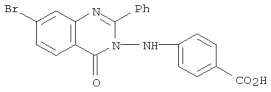


IT 131604-22-3P 131604-23-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and sequential conversion to acid chloride and condensation with secondary amines)

RN 131604-22-3 CAPLUS
CN Benzoic acid, 4-[(4-oxo-2-phenyl-3(4H)-quinazolinyl)amino]- (CA INDEX NAME)

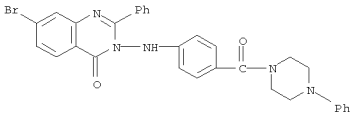


RN 131604-23-4 CAPLUS
CN Benzoic acid, 4-[(7-bromo-4-oxo-2-phenyl-3(4H)-quinazolinyl)amino]- (CA INDEX NAME)

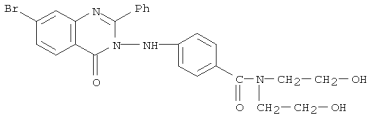


L4 ANSWER 51 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

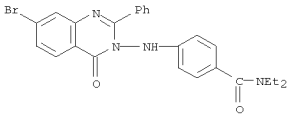
RN 131604-17-6 CAPLUS
CN 4(3H)-Quinazolinone, 7-bromo-2-phenyl-3-[[4-[(4-phenyl-1-piperazinyl)carbonyl]phenyl]amino]- (CA INDEX NAME)



RN 131604-18-7 CAPLUS
CN Benzamide, 4-[(7-bromo-4-oxo-2-phenyl-3(4H)-quinazolinyl)amino]-N,N-bis(2-hydroxyethyl)- (CA INDEX NAME)

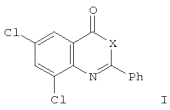


RN 131604-19-8 CAPLUS
CN Benzamide, 4-[(7-bromo-4-oxo-2-phenyl-3(4H)-quinazolinyl)amino]-N,N-diethyl- (CA INDEX NAME)



RN 131604-20-1 CAPLUS
CN 4(3H)-Quinazolinone, 7-bromo-2-phenyl-3-[[4-(1-piperidinylcarbonyl)phenyl]amino]- (CA INDEX NAME)

L4 ANSWER 52 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1991:42699 CAPLUS
DOCUMENT NUMBER: 114:42699
ORIGINAL REFERENCE NO.: 114:7433a,7436a
TITLE: Synthesis and effect of gamma irradiation on some new 6,8-dichloro-4-(3H)-quinazolinones of biological interest
AUTHOR(S): Ammar, Y. A.; Mohamed, Y. A.; Amin, N. E.; Ghorab, M. M.
CORPORATE SOURCE: Fac. Sci., Al-Azhar Univ., Cairo, Egypt
SOURCE: Current Science (1989), 58(22), 1231-4
CODEN: CUSCAM; ISSN: 0011-3891
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 114:42699
GI

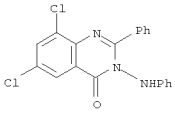


I

AB Condensation of benzoxazinone I (X = O) with N2H4 gave quinazolinone I (X = NNH2) (II). Reactions of II with acid anhydrides, PhNCO, PhNCS, aromatic aldehydes etc. are reported. Antibacterial activity of some of the synthesized compds. is reported.

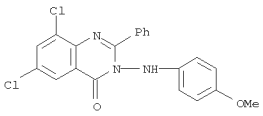
IT 131318-81-5P 131318-82-6P 131318-83-7P
131346-12-8P
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation and antibacterial activity of)

RN 131318-81-5 CAPLUS
CN 4(3H)-Quinazolinone, 6,8-dichloro-2-phenyl-3-(phenylamino)- (CA INDEX NAME)

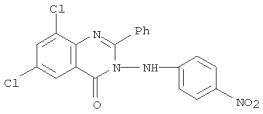


RN 131318-82-6 CAPLUS
CN 4(3H)-Quinazolinone, 6,8-dichloro-3-[(4-methoxyphenyl)amino]-2-phenyl-

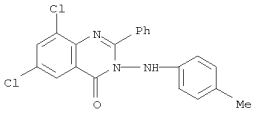
L4 ANSWER 52 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
(CA INDEX NAME)



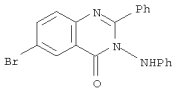
RN 131318-83-7 CAPLUS
CN 4(3H)-Quinazolinone, 6,8-dichloro-3-[(4-nitrophenyl)amino]-2-phenyl- (CA INDEX NAME)



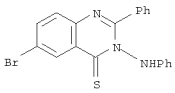
RN 131346-12-8 CAPLUS
CN 4(3H)-Quinazolinone, 6,8-dichloro-3-[(4-methylphenyl)amino]-2-phenyl- (CA
INDEX NAME)



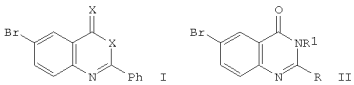
L4 ANSWER 53 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1990:76235 CAPLUS
DOCUMENT NUMBER: 112:76235
ORIGINAL REFERENCE NO.: 112:13015a,13018a
TITLE: Magnetic anisotropic effect as demonstrated by high resolution PMR in some benzoxazinones, quinazolinones,
and their thiono analogs
AUTHOR(S): Abdel-Megeed, Mohamed F.; Teniou, A.
CORPORATE SOURCE: Fac. Sci., Tanta Univ., Tanta, Egypt
SOURCE: Delta Journal of Science (1987), 11(2), 707-18
CODEN: DJSCES; ISSN: 1012-5965
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The one- and two-dimensional NMR spectra of number of 3,1-benzoxazin-4-ones
and 4(3H)-quinazolinones and their thiono analogs were recorded. A complete assignment of protons in all compds. studied was made.
IT 115754-67-1 115754-68-2
RL: PRP (Properties)
(NMR of)
RN 115754-67-1 CAPLUS
CN 4(3H)-Quinazolinone, 6-bromo-2-phenyl-3-(phenylamino)- (CA INDEX NAME)



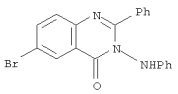
RN 115754-68-2 CAPLUS
CN 4(3H)-Quinazolinethione, 6-bromo-2-phenyl-3-(phenylamino)- (CA INDEX NAME)



L4 ANSWER 54 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1988:492169 CAPLUS
DOCUMENT NUMBER: 109:92169
ORIGINAL REFERENCE NO.: 109:15361a,15364a
TITLE: Magnetic anisotropic effect as demonstrated by high resolution PMR in some benzoxazinones, quinazolinones and their thiono analogs
AUTHOR(S): Abdel-Megeed, Mohamed F.; Teniou, A.
CORPORATE SOURCE: Fac. Sci., Tanta Univ., Tanta, Egypt
SOURCE: Spectroscopy Letters (1987), 20(8), 583-90
CODEN: SPLEBX; ISSN: 0038-7010
DOCUMENT TYPE: Journal
LANGUAGE: English
GI

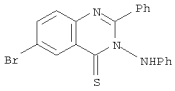


AB The 1H NMR spectra of benzoxazinone I (X = O), its thio analog (I, X = S),
quinazolinones (II; R = Me, Ph; R1 = NH2, NHPh, Ph, N:CHC6H4Cl-p), and the
thio analogs of II were examined Replacement of O with S had a pronounced
effect on H-5 of the benzene ring and on the 2 ortho protons of the 2-Ph group.
IT 115754-67-1 115754-68-2
RL: PRP (Properties)
(NMR of)
RN 115754-67-1 CAPLUS
CN 4(3H)-Quinazolinone, 6-bromo-2-phenyl-3-(phenylamino)- (CA INDEX NAME)

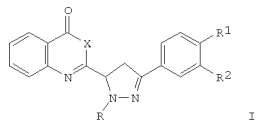


RN 115754-68-2 CAPLUS
CN 4(3H)-Quinazolinethione, 6-bromo-2-phenyl-3-(phenylamino)- (CA INDEX NAME)

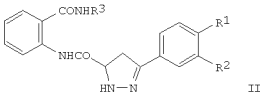
L4 ANSWER 54 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



L4 ANSWER 55 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1987:119830 CAPLUS
DOCUMENT NUMBER: 106:119830
ORIGINAL REFERENCE NO.: 106:19579a,19582a
TITLE: Some reactions of pyrazolinylbenzoxazones and -quinazolones
AUTHOR(S): Soliman, E. A.; Hassan, M. A.; Salem, M. A. I.; Sherif, I. S.
CORPORATE SOURCE: Fac. Sci., Ain Shams Univ., Cairo, Egypt
SOURCE: Journal of the Chemical Society of Pakistan (1986), 8(2), 97-106
CODEN: JCSPDF; ISSN: 0253-5106
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 106:119830
GI



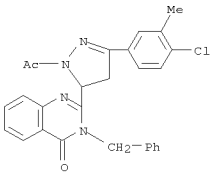
I



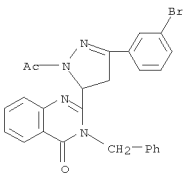
II

AB Arylpyrazolinylbenzoxazinones I (X = O; R = H; R1 = H, Cl; R2 = Me, Br) react easily with amines R3NH2(R3 = e.g. Me, Bu, 4-MeOC6H4, PhCH2) in EtOH
or AcOH to furnish the corresponding anilides II or quinazolones I (R = Ac; X = NR3). Acetylation, benzoylation and nitrosation of I led to the formation of I (R = Ac, Bz, NO; X = O). Other transformations of I were also investigated.
IT 107263-57-0P 107263-60-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 107263-57-0 CAPLUS
CN 4(3H)-Quinazolinone, 2-[1-acetyl-3-(4-chloro-3-methylphenyl)-4,5-dihydro-1H-pyrazol-5-yl]-3-(phenylmethyl)- (CA INDEX NAME)

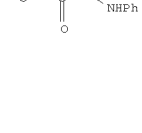
L4 ANSWER 55 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



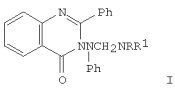
RN 107263-60-5 CAPLUS
CN 4(3H)-Quinazolinone, 2-[1-acetyl-3-(3-bromophenyl)-4,5-dihydro-1H-pyrazol-5-yl]-3-(phenylmethyl)- (CA INDEX NAME)



L4 ANSWER 56 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1986:437376 CAPLUS
DOCUMENT NUMBER: 105:37376
ORIGINAL REFERENCE NO.: 105:6113a,6116a
TITLE: Laboratory evaluation of antimicrobial activity of 2,3-disubstituted quinazoline (3H) 4-ones and their metal complexes
AUTHOR(S): Reddy, P. Bhagavan; Reddy, S. M.; Reddy, K. Laxma; Lingaiah, P.
CORPORATE SOURCE: Dep. Bot., Kakatiya Univ., Waranagal, 506 009, India
SOURCE: Indian Phytopathology (1985), 38(2), 361-4
CODEN: IPHYAU; ISSN: 0367-973X
DOCUMENT TYPE: Journal
LANGUAGE: English
AB 2-Methyl-3-anilinoquinazoline[3H] 4-one (I) [1221-79-0] exhibited less fungicidal activity than 2-phenyl-3-anilinoquinazoline[3H] 4-one (II) [37895-88-8], however, both I and II inhibited totally spore germination of Fusarium oxysporum and Curvularia lunata at 360 µg/mL. The fungicidal activity of I and II was considerably enhanced when complexed with Ni, Cu, Zn and Cd. Also, the bactericidal activity of I and II towards Bacillus punulus and Proteus vulgaris increased when complexed with Co, Ni, Cu, Zn and Cd. NiCl2 and acetates of Cu, Zn and Cd
had lower fungitoxicity than the complexes.
IT 37895-88-8
RL: BAC (Biological activity or effector, except adverse); BSU (Biological
study, unclassified); BIOL (Biological study)
(bactericidal and fungicidal activity of)
RN 37895-88-8 CAPLUS
CN 4(3H)-Quinazolinone, 2-phenyl-3-(phenylamino)- (CA INDEX NAME)

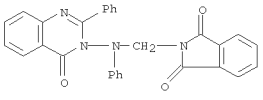


L4 ANSWER 57 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1986:129854 CAPLUS
DOCUMENT NUMBER: 104:129854
ORIGINAL REFERENCE NO.: 104:20545a,20548a
TITLE: Synthesis and bioassay of some amidoalkylated products
AUTHOR(S): Pandey, V. K.
CORPORATE SOURCE: Dep. Chem., Lucknow Univ., Lucknow, 226007, India
SOURCE: Biological Memoirs (1984), 9(2), 186-8
CODEN: BMEMDK; ISSN: 0379-8097
DOCUMENT TYPE: Journal
LANGUAGE: English
GI



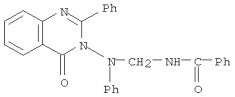
I

AB Quinazolinones I (RR1 = phthalimido, R = H, R1 = benzamido, salicylamido, 2-phthalimidopropionamido) were prepared from 2-phenyl-3-anilinoquinazolin-4(3H)-one by treatment with appropriate amido
or imido alcs. I decreased spontaneous motor activity in mice at 1000 mg/kg i.p., but had no significant antitremorine activity.
IT 101132-54-1P 101132-55-2P 101132-56-3P
101132-57-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation and central parasympatholytic activity of)
RN 101132-54-1 CAPLUS
CN 1H-Isoindole-1,3(2H)-dione, 2-[[(4-oxo-2-phenyl-3(4H)-quinazolinyl)phenylamino]methyl]- (CA INDEX NAME)

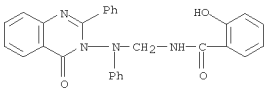


RN 101132-55-2 CAPLUS
CN Benzamide, N-[[(4-oxo-2-phenyl-3(4H)-quinazolinyl)phenylamino]methyl]- (CA INDEX NAME)

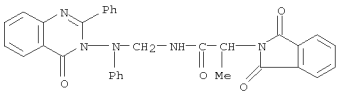
L4 ANSWER 57 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



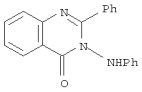
RN 101132-56-3 CAPLUS
CN Benzamide, 2-hydroxy-N-[[(4-oxo-2-phenyl-3(4H)-quinazolinyl)phenylamino]methyl]- (CA INDEX NAME)



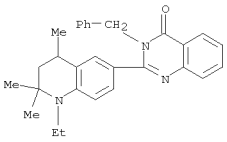
RN 101132-57-4 CAPLUS
CN 2H-Isoindole-2-acetamide, 1,3-dihydro-α-methyl-1,3-dioxo-N-[[(4-oxo-2-phenyl-3(4H)-quinazolinyl)phenylamino]methyl]- (CA INDEX NAME)



IT 37895-88-8
RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with amido and imido alcs.)
RN 37895-88-8 CAPLUS
CN 4(3H)-Quinazolinone, 2-phenyl-3-(phenylamino)- (CA INDEX NAME)



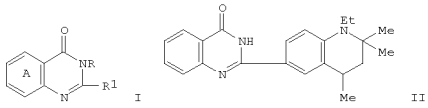
L4 ANSWER 58 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
IT 95545-28-1P
RL: PREP (Preparation)
(manufacture of, as color former for heat- and pressure-sensitive record systems)
RN 95545-28-1 CAPLUS
CN 4(3H)-Quinazolinone, 2-(1-ethyl-1,2,3,4-tetrahydro-2,2,4-trimethyl-6-quinolinyl)-3-(phenylmethyl)- (CA INDEX NAME)



L4 ANSWER 58 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1985:133553 CAPLUS
DOCUMENT NUMBER: 102:133553
ORIGINAL REFERENCE NO.: 102:20963a,20966a
TITLE: Chromogenic quinazolone compounds
INVENTOR(S): Zink, Rudolf; Fletcher, Ian John
PATENT ASSIGNEE(S): Ciba-Geigy A.-G. , Switz.
SOURCE: Ger. Offen., 28 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

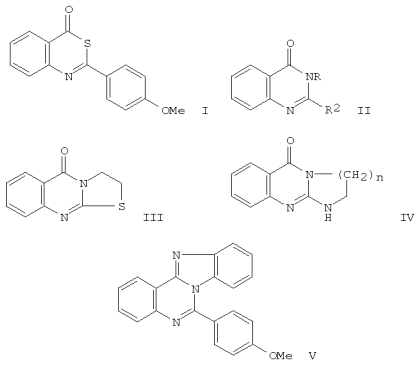
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3423369	A1	19850110	DE 1984-3423369	19840625
CH 657851	A5	19860930	CH 1983-3521	19830628
GB 2143542	A	19850213	GB 1984-16181	19840625
GB 2143542	B	19860917		
PRIORITY APPLN. INFO.:			CH 1983-3521 A	19830628

OTHER SOURCE(S): CASREACT 102:133553; MARPAT 102:133553
GI



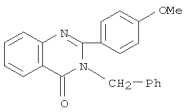
AB Chromogenic quinazolones (I) for heat- or pressure-sensitive record materials are prepared, where R represents H, (un)substituted C1-12 alkyl, cycloalkyl, (un)substituted Ph, or (un)substituted benzyl; R1 is a(n) (un)substituted nonarom. heterocyclic radical bound to the quinazoline through a fused benzene ring; and ring A may contain halogen, CN, NO2, lower alkyl, lower alkoxy, or lower carbalkoxy substituents. I produce light- and sublimation-fast yellow or orange colors when in contact with a developer. A typical quinazolone, II [92681-81-7], was prepared by condensing N-ethyl-2,2,4-trimethyltetrahydroquinoline-6-carboxaldehyde [80162-58-9] with anthranilamide [88-68-6] at 60° in EtOH in the presence of H2SO4, followed by bisulfite oxidation of the tetrahydroquinazolone intermediate [95545-30-5]. Eleven other I were similarly prepared II gave a strong greenish yellow color when developed on acidic clay, and its use in heat- and pressure-sensitive record systems is disclosed in detail.

L4 ANSWER 59 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1983:126006 CAPLUS
DOCUMENT NUMBER: 98:126006
ORIGINAL REFERENCE NO.: 98:19199a,19202a
TITLE: Synthesis of 4(3H)-quinazolinones from derivatives of methyl 2-isothiocyanatobenzoate
AUTHOR(S): Dean, William D.; Papadopoulos, Eleftherios P.
CORPORATE SOURCE: Dep. Chem., Univ. New Mexico, Albuquerque, NM, 87131, USA
SOURCE: Journal of Heterocyclic Chemistry (1982), 19(5), 1117-24
CODEN: JHTCAD; ISSN: 0022-152X
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 98:126006
GI

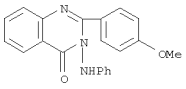


AB 2-MeO2CC6H4NHC(S)OEt, 2-EtO2CC6H4NHC(S)C6H4OMe-4, and I cyclocondensed with nucleophilic amines RNH2 [R = H, OH, NH2, NHMe, NHPh, Bu, Ph, PhCH2, (CH2)nR1; R1 = OH, SH, NH2, NHAc, NHCONHPh; n = 2,3] to give quinazolinones II (R2 = OEt, C6H4OMe-4). Condensed quinazolines III, IV (n = 2,3), and V were similarly prepared
IT 85094-66-2P 85094-70-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 85094-66-2 CAPLUS
CN 4(3H)-Quinazolinone, 2-(4-methoxyphenyl)-3-(phenylmethyl)- (CA INDEX NAME)

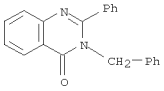
L4 ANSWER 59 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



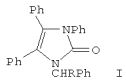
RN 85094-70-8 CAPLUS
CN 4(3H)-Quinazolinone, 2-(4-methoxyphenyl)-3-(phenylamino)- (CA INDEX NAME)



L4 ANSWER 60 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

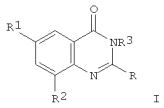


L4 ANSWER 60 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1982:455730 CAPLUS
DOCUMENT NUMBER: 97:55730
ORIGINAL REFERENCE NO.: 97:9389a,9392a
TITLE: Stabilization of carbanionic centers by neutral N-heterocyclic rings
AUTHOR(S): Katritzky, Alan R.; Grzeskowiak, Nicholas E.; Siddiqui, Tayabba; Jayaram, Chandra; Vassilatos, Socrates N.
CORPORATE SOURCE: Dep. Chem., Univ. Florida, Gainesville, FL, 32611, USA
SOURCE: Journal of Chemical Research, Synopses (1982), (2), 26-7
CODEN: JRPSDC; ISSN: 0308-2342
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 97:55730
GI

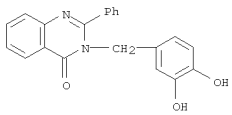


AB α-Carbanions were generated from N-benzyl derivs. of 2-phenylquinazolin-4-one, 1,2,3-benzotriazin-4-one, and 3,4,5-triphenyl-2-imidazolone, and α-ring-dianions from N-benzyl derivs. of 1,3(4H)-isoquinolinedione, quinazolinedione, 5,5-dimethyl-2,4-imidazolidinedione, and 4,5-diaryl-2-imidazolone. Reaction of the carbanions with electrophiles gave clean α-alkylation for most 5-membered ring substrates, but complex mixts. for the 6-membered ring substrates. E.g., imidazolone I (R = H) was lithiated by LiN(CHMe2)2 to give I (R = Li) which reacted with D2O, p-MeC6H4COCl, ClCO2Et, Me2CO, PhCOMe, Ph2CO, and p-MeC6H4CHO to give I [R = D, p-MeC6H4CO, CO2Et, Me2C(OH), PhC(OH)Me, Ph2C(OH), p-MeC6H4CH(OH), resp.] in 60-85% yield. The lithiation-alkylation sequence requires the dipole stabilization provided by imidazol-2-one and imidazoline-2,4-dione rings.
IT 19857-37-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation, lithiation, and alkylation of)
RN 19857-37-5 CAPLUS
CN 4(3H)-Quinazolinone, 2-phenyl-3-(phenylmethyl)- (CA INDEX NAME)

L4 ANSWER 61 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1982:438914 CAPLUS
DOCUMENT NUMBER: 97:38914
ORIGINAL REFERENCE NO.: 97:6659a,6662a
TITLE: Search for new anthelmintics. Part V. Synthesis of some 2-alkyl/aryl-6-halo(or-6,8-dihalo)-3-[(3,4-methylenedioxyphenyl)methyl]phenoxazin-7-ylmethylquinazolin-4(3H)-ones
AUTHOR(S): Tiwari, S. S.; Pandey, M. P.
CORPORATE SOURCE: Dep. Chem., Lucknow Univ., Lucknow, India
SOURCE: Acta Ciencia Indica, Chemistry (1981), 7(1-4), 7-11
CODEN: ACICDV; ISSN: 0253-7338
DOCUMENT TYPE: Journal
LANGUAGE: English
GI

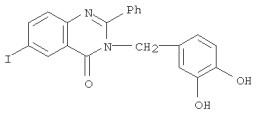


AB Quinazolinones I (R = H, Me, Ph, pyridyl; R1 = H, Cl, Br, iodo; R2 = H, Cl, Br; R3 = H) were obtained in 90-96% yield by treating anthranilic acids with RCONH2. Treatment of I (R3 = H) with CH2O and o-(HO)2C6H4 gave I [R3 = 3,4-(HO)2C6H3CH2, II] which on treatment with CH2Cl2 gave I (R3 = piperonyl). I (R3 = 7-phenoxazinylmethyl) were obtained by treating II with 2-HOC6H4NH2.
IT 82326-80-5P 82326-82-7P 82326-85-0P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and reaction of, with dichloromethane)
RN 82326-80-5 CAPLUS
CN 4(3H)-Quinazolinone, 3-[(3,4-dihydroxyphenyl)methyl]-2-phenyl- (CA INDEX NAME)

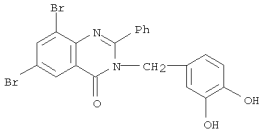


RN 82326-82-7 CAPLUS
CN 4(3H)-Quinazolinone, 3-[(3,4-dihydroxyphenyl)methyl]-6-iodo-2-phenyl- (CA INDEX NAME)

L4 ANSWER 61 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



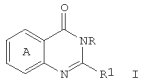
RN 82326-85-0 CAPLUS
CN 4(3H)-Quinazolinone, 6,8-dibromo-3-[(3,4-dihydroxyphenyl)methyl]-2-phenyl- (CA INDEX NAME)



L4 ANSWER 62 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1982:144480 CAPLUS
DOCUMENT NUMBER: 96:144480
ORIGINAL REFERENCE NO.: 96:23785a,23788a
TITLE: Chromogenic quinazolones
INVENTOR(S): Fletcher, Ian John
PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
SOURCE: Brit. UK Pat. Appl., 9 pp.
CODEN: BAXXDU
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

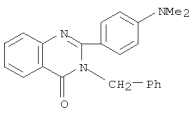
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
GB 2068994	A	19810819	GB 1981-3163	19810129
DE 3102760	A1	19811119	DE 1981-3102760	19810128
PRIORITY APPLN. INFO.:			CH 1980-781 A	19800131

GI

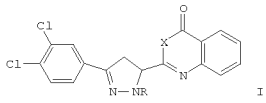


AB The quinazolones I [R = hydrocarbyl; R1 = 4-(dialkyl)aminophenyl, 2-carbazolyl] are useful as color formers in pressure- or heat-sensitive recording materials. Thus, 2-H2NC6H4CONHMe [4141-08-6] is refluxed with 4-Me2NC6H4CHO [100-10-7] in EtOH for 18 h and the quinazolone derivative [81144-95-8] is dehydrogenated with chloranil in DMF at 50-55° to give I (R = Me, R1 p-Me2NC6H4) [81144-96-9], giving a lightfast yellow in recording materials.
IT 81144-93-6
RL: USES (Uses)
(color former, for pressure- and heat-sensitive copy paper)
RN 81144-93-6 CAPLUS
CN 4(3H)-Quinazolinone, 2-[4-(dimethylamino)phenyl]-3-(phenylmethyl)- (CA INDEX NAME)

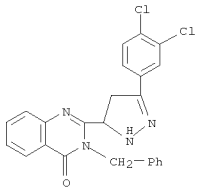
L4 ANSWER 62 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



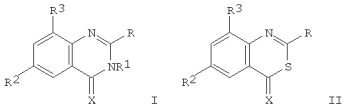
L4 ANSWER 63 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1981:515462 CAPLUS
DOCUMENT NUMBER: 95:115462
ORIGINAL REFERENCE NO.: 95:19377a,19380a
TITLE: Some reactions of 2-[3-(3,4-dichlorophenyl)-2-pyrazoline-5-yl]-4H-benzoxazin-4-one
AUTHOR(S): Soliman, E. A.
CORPORATE SOURCE: Fac. Sci., Ain Shams Univ., Cairo, Egypt
SOURCE: Revue Roumaine de Chimie (1981), 26(5), 699-703
CODEN: RRCHAX; ISSN: 0035-3930
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 95:115462
GI



AB Treating the title compound (I, X = O, R = H) (II) with AcCl, BzCl, piperidine, and morpholine gave I (X = O; R = Ac, Bz, piperidino, morpholino) resp., whereas treating II with R1NH2 (R1 = Me, Bu, PhCH2, 4-MeOC6H4) gave I (X = NR1, R = H).
IT 78958-74-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 78958-74-4 CAPLUS
CN 4(3H)-Quinazolinone, 2-[3-(3,4-dichlorophenyl)-4,5-dihydro-1H-pyrazol-5-yl]-3-(phenylmethyl)- (CA INDEX NAME)



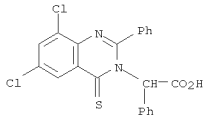
L4 ANSWER 64 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1980:146705 CAPLUS
DOCUMENT NUMBER: 92:146705
ORIGINAL REFERENCE NO.: 92:23845a,23848a
TITLE: Quinazoline-4-thione or 4-quinazolinone carboxylic acid derivatives
AUTHOR(S): Legrand, Louis; Baronnet, Rene; Maugard, Joelle; Foussard-Blanpin, Odette; Uchida-Ernouf, Genevieve
CORPORATE SOURCE: Inst. Sci. Matiere Rayonnem., Univ. Caen, Caen, F-14032, Fr.
SOURCE: European Journal of Medicinal Chemistry (1979), 14(4), 357-62
CODEN: EJMCA5; ISSN: 0009-4374
DOCUMENT TYPE: Journal
LANGUAGE: French
OTHER SOURCE(S): CASREACT 92:146705
GI



I II

AB Quinazolinethiones and quinazolinones I [R = H, Me, Ph, o-tolyl, o-ClC6H4, 2,4- and 2,5-Cl2C6H3, Me3C, Me2CH, 3-(CF3)C6H4, 3,4-(MeO)2C6H3, 4-(MeO)C6H4; R1 = (CH2)nCO2H (n = 1, 2), CHR4CO2R5 (R4 = Me, Ph, MeSCH2CH, indol-3-ylmethyl, R5 = H, Me, Et); R2, R3 = H, Cl; X = S, O] were prepared by condensing II (X = S) with glycine, β-alanine, alanine, or phenylglycine or II (X = O) with R4CH(NH2)CO2H. The antiinflammatory activity of quinazolinethiones I (X = S, R1 = CH2CO2H) and quinazolinones I (X = O, R1 = CH2CO2H, CHMeCO2H.) was studied.
IT 73012-96-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 73012-96-1 CAPLUS
CN 3(4H)-Quinazolineacetic acid, 6,8-dichloro-α,2-diphenyl-4-thioxo- (CA INDEX NAME)

L4 ANSWER 64 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



L4 ANSWER 65 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1979:575295 CAPLUS
DOCUMENT NUMBER: 91:175295
ORIGINAL REFERENCE NO.: 91:28279a,28282a
TITLE: Reactions with the amides and chlorides of some β-aroylacrylic acids
AUTHOR(S): Sammour, A.; Afify, A. A.; Abdallah, M.; Soliman, E. A.
CORPORATE SOURCE: Fac. Sci., Ain Shams Univ., Cairo, Egypt
SOURCE: Egyptian Journal of Chemistry (1979), Volume Date 1976, 19(6), 1109-16
CODEN: EGJCA3; ISSN: 0367-0422
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 91:175295
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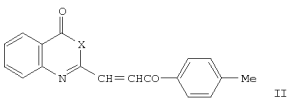
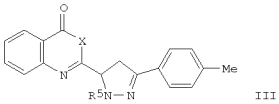


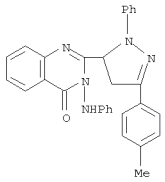
II



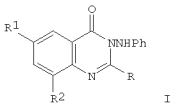
III

AB RCOCH:CHCONHCSNHR1 (R = 4-MeC6H4, 2-naphthyl; R1 = H, CH2Ph) were prepared by treating RCOCH:CHCONHC6H4R2-4 (R2 = H, Me, OMe) or 4-MeC6H4COCH:CHCOCl (I) with H2NCSNHR1. 4-MeC6H4COCH:CHCONHC6H4SO2NHR3-4 [R3 = H, C(:NH)NH2, 4-methyl-2-pyrimidinyl] were obtained from I and H2NC6H4SO2NHR3-4. I reacted with 2-H2NC6H4CO2H to give 2-HO2CC6H4NHCOCH:CHCOC6H4Me-4, which cyclized to the benzoxazinone II (X = O). Reaction of II (X = O) with amines R4NH2 in EtOH gave 2-R4NHCOC6H4NHCOCH:CHCOC6H4Me-4 (R4 = CH2Ph, 4-MeC6H4), but reaction with 4-MeC6H4NH2 at 170° gave II (X = NC6H4Me-4). Reaction of II (X = O) with N2H4 gave III (X = O, NNH2, R5 = H), whereas with PhNHNH2 only III (X = NNHPh, R5 = Ph) was obtained.
IT 71703-84-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 71703-84-9 CAPLUS
CN 4(3H)-Quinazolinone, 2-[4,5-dihydro-3-(4-methylphenyl)-1-phenyl-1H-pyrazol-5-yl]-3-(phenylamino)- (CA INDEX NAME)

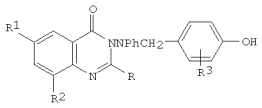
L4 ANSWER 65 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



L4 ANSWER 66 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1979:540809 CAPLUS
DOCUMENT NUMBER: 91:140809
ORIGINAL REFERENCE NO.: 91:22719a,22722a
TITLE: Synthesis and CNS [central nervous system] activity of some 2-aryl/alkyl-3-[N-phenyl, N-(dihydroxy phenyl-methyl)-amino]-6,8-disubstituted-quinazolin-4(3H)-ones
AUTHOR(S): Tiwari, S. S.; Satsangi, R. K.; Agarwal, Rajesh
CORPORATE SOURCE: Dep. Chem., Univ. Lucknow, Lucknow, 226 007, India
SOURCE: Current Science (1979), 48(13), 568-71
CODEN: CUSCAM; ISSN: 0011-3891
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 91:140809
GI



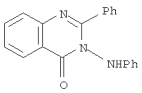
I



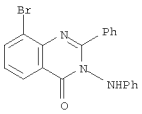
II

AB Eight quinazolinones I (R = Me, Ph; R1 = H, Br; R2 = H, Br, I) were prepared in 58-70% yield by condensation of PhNHNH2 with the corresponding benzoxazinones. The Mannich type reaction of I with catechol and resorcinol gave II (R3 = 2- or 3-OH). II (R = Me, Ph, R1 = R2 = H, Br; R = Ph, R1 = H, R2 = Br, I, R3 = 3-HO; R = Me, R1 = R2 = H, Br; R3 = 2-HO) were nontoxic and were central nervous system depressants and decreased the body temperature. II (R = Me, R1 = R2 = H; R = Ph, R1 = H, R2 = I; R3 = 3-OH) induced writhing.
IT 37895-88-8P 71472-62-3P 71472-63-4P 71472-64-5P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and Mannich type reaction of, with catechol and resorcinol)
RN 37895-88-8 CAPLUS
CN 4(3H)-Quinazolinone, 2-phenyl-3-(phenylamino)- (CA INDEX NAME)

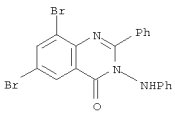
L4 ANSWER 66 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



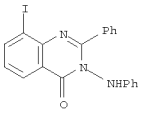
RN 71472-62-3 CAPLUS
CN 4(3H)-Quinazolinone, 8-bromo-2-phenyl-3-(phenylamino)- (CA INDEX NAME)



RN 71472-63-4 CAPLUS
CN 4(3H)-Quinazolinone, 6,8-dibromo-2-phenyl-3-(phenylamino)- (CA INDEX NAME)

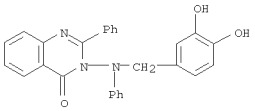


RN 71472-64-5 CAPLUS
CN 4(3H)-Quinazolinone, 8-iodo-2-phenyl-3-(phenylamino)- (CA INDEX NAME)

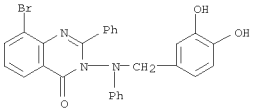


IT 71476-94-3P 71476-95-4P 71476-97-6P
RL: SPN (Synthetic preparation); PREP (Preparation)

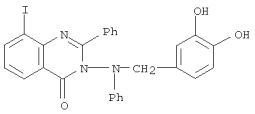
L4 ANSWER 66 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
(prepn. and pharmacol. of)
RN 71476-94-3 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[(3,4-dihydroxyphenyl)methyl]phenylamino]-2-phenyl- (CA INDEX NAME)



RN 71476-95-4 CAPLUS
CN 4(3H)-Quinazolinone, 8-bromo-3-[[(3,4-dihydroxyphenyl)methyl]phenylamino]-2-phenyl- (CA INDEX NAME)

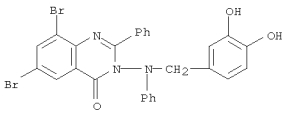


RN 71476-97-6 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[(3,4-dihydroxyphenyl)methyl]phenylamino]-8-iodo-2-phenyl- (CA INDEX NAME)

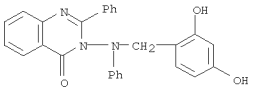


IT 71476-96-5P 71478-52-9P 71478-53-0P 71478-54-1P 71478-55-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 71476-96-5 CAPLUS
CN 4(3H)-Quinazolinone, 6,8-dibromo-3-[[(3,4-dihydroxyphenyl)methyl]phenylamino]-2-phenyl- (CA INDEX NAME)

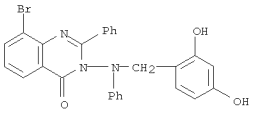
L4 ANSWER 66 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



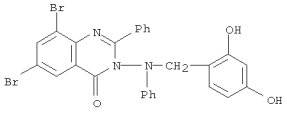
RN 71478-52-9 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[(2,4-dihydroxyphenyl)methyl]phenylamino]-2-phenyl- (CA INDEX NAME)



RN 71478-53-0 CAPLUS
CN 4(3H)-Quinazolinone, 8-bromo-3-[[(2,4-dihydroxyphenyl)methyl]phenylamino]-2-phenyl- (CA INDEX NAME)

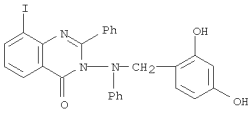


RN 71478-54-1 CAPLUS
CN 4(3H)-Quinazolinone, 6,8-dibromo-3-[[(2,4-dihydroxyphenyl)methyl]phenylamino]-2-phenyl- (CA INDEX NAME)

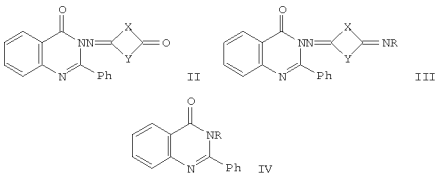


RN 71478-55-2 CAPLUS
CN 4(3H)-Quinazolinone, 3-[[(2,4-dihydroxyphenyl)methyl]phenylamino]-8-iodo-2-

L4 ANSWER 66 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
phenyl- (CA INDEX NAME)

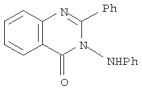


L4 ANSWER 67 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1979:54899 CAPLUS
DOCUMENT NUMBER: 90:54899
ORIGINAL REFERENCE NO.: 90:8781a,8784a
TITLE: Reactions on 2-phenyl-3-amino-4(3H)-quinazolone
AUTHOR(S): Anwar, M.; Abdel-Hay, F. I.; Fahmy, M.
CORPORATE SOURCE: Fac. Sci., Tanta Univ., Tanta, Egypt
SOURCE: Revue Roumaine de Chimie (1978), 23(7), 1085-91
CODEN: RRCHAX; ISSN: 0035-3930
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 90:54899
GI

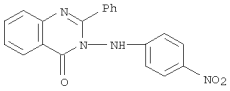


AB Condensation of the title compound (I) with phthalic or succinic anhydrides or imides or N-phenyl- or N-p-methoxyphenylmaleimide gave 75-85% II (Y = O, NH, NPh, p-MeOC6H4; X = CH2CH2, CH:CH, o-phenylene). Condensation of II (X = o-C6H4, Y = O, NH; X = CH:CH, Y = PhNH) with hydrazines and aromatic amines gave 65-75% III (R = PhNH, Ph, p-tolyl, p-O2NC6H4NH). IV (R = N:CR1R2; R1 = R2 = Me; R1 = Ph, R2 = Me) were obtained in 75% yield by reaction of I with R1COR2. IV (R = NHR1, R1 = Me, Ph, p-O2NC6H4, CH2CO2H, CH2COPh, 2,4-(O2N)2C6H3) were prepared in 65-70% yield by reaction of I with resp. alkyl halide.
IT 37895-88-8P 37895-95-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 37895-88-8 CAPLUS
CN 4(3H)-Quinazolinone, 2-phenyl-3-(phenylamino)- (CA INDEX NAME)

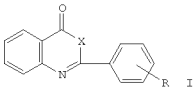
L4 ANSWER 67 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



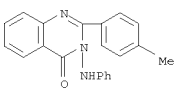
RN 37895-95-7 CAPLUS
CN 4(3H)-Quinazolinone, 3-[(4-nitrophenyl)amino]-2-phenyl- (CA INDEX NAME)



L4 ANSWER 68 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1977:423200 CAPLUS
DOCUMENT NUMBER: 87:23200
ORIGINAL REFERENCE NO.: 87:3673a,3676a
TITLE: 2-Aryl-3-amino-4-quinazolones
AUTHOR(S): Abbady, A. M.; Anwar, M.; Abdel-Megeed, M. F.
CORPORATE SOURCE: Fac. Sci., Tanta Univ., Tanta, Egypt
SOURCE: Acta Chimica Academiae Scientiarum Hungaricae (1976), 91(3), 341-9
CODEN: ACASA2; ISSN: 0001-5407
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 87:23200
GI

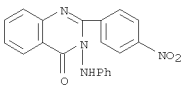


AB Aminoquinazolones I (R = 2-Me, 4-Cl, 4-NO2, 4-Me, X = NNHR1, R1 = NH2, NHCONH2, NHPh, NHC6H4NO2-4, NHC6H4(NO2)2-2,4) were prepared by treating I (X = O) with R1NHNH2. I (X = NNH2, R = 4-Me, 4-Cl) were treated with aldehydes to give I (X = NN:CHR2, R2 = Ph, 4-MeOC6H4, 2-HOC6H4, 4-HOC6H4, 2-ClC6H4, 4-ClC6H4, 2-O2NC6H4, 4-O2NC6H4).
IT 63002-74-4P 63002-75-5P 63002-76-6P
63002-77-7P 63002-78-8P 63002-79-9P
63002-80-2P 63002-81-3P 63002-82-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 63002-74-4 CAPLUS
CN 4(3H)-Quinazolinone, 2-(4-methylphenyl)-3-(phenylamino)- (CA INDEX NAME)

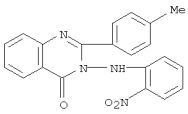


RN 63002-75-5 CAPLUS
CN 4(3H)-Quinazolinone, 2-(4-nitrophenyl)-3-(phenylamino)- (CA INDEX NAME)

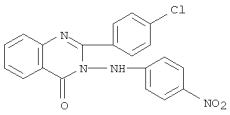
L4 ANSWER 68 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



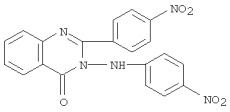
RN 63002-76-6 CAPLUS
CN 4(3H)-Quinazolinone, 2-(4-methylphenyl)-3-[(2-nitrophenyl)amino]- (CA INDEX NAME)



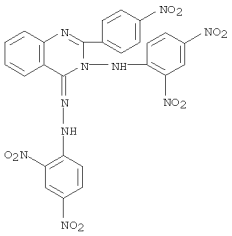
RN 63002-77-7 CAPLUS
CN 4(3H)-Quinazolinone, 2-(4-chlorophenyl)-3-[(4-nitrophenyl)amino]- (CA INDEX NAME)



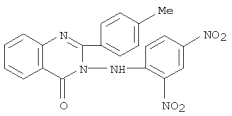
RN 63002-78-8 CAPLUS
CN 4(3H)-Quinazolinone, 2-(4-nitrophenyl)-3-[(4-nitrophenyl)amino]- (CA INDEX NAME)



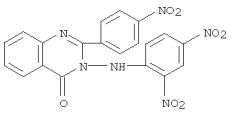
L4 ANSWER 68 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
RN 63002-82-4 CAPLUS
CN 4(3H)-Quinazolinone, 3-[(2,4-dinitrophenyl)amino]-2-(4-nitrophenyl)-, 2-(2,4-dinitrophenyl)hydrazone (CA INDEX NAME)



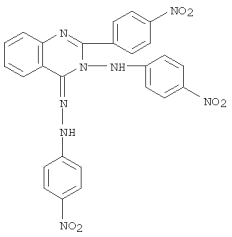
L4 ANSWER 68 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
RN 63002-79-9 CAPLUS
CN 4(3H)-Quinazolinone, 3-[(2,4-dinitrophenyl)amino]-2-(4-methylphenyl)- (CA INDEX NAME)



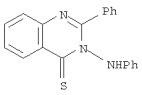
RN 63002-80-2 CAPLUS
CN 4(3H)-Quinazolinone, 3-[(2,4-dinitrophenyl)amino]-2-(4-nitrophenyl)- (CA INDEX NAME)



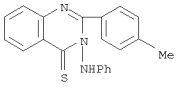
RN 63002-81-3 CAPLUS
CN 4(3H)-Quinazolinone, 2-(4-nitrophenyl)-3-[(4-nitrophenyl)amino]-, 2-(4-nitrophenyl)hydrazone (CA INDEX NAME)



L4 ANSWER 69 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1974:477859 CAPLUS
DOCUMENT NUMBER: 81:77859
ORIGINAL REFERENCE NO.: 81:12383a,12386a
TITLE: Spiro[1,3-benzodioxole-2,4'(4H-3,1)-benzothiazines] and their cleavage with amines and hydrazines. New series of spirans
AUTHOR(S): Latif, N.; Zeid, I. F.; Mishriky, N.; Aszad, F. M.
CORPORATE SOURCE: Natl. Res. Cent., Cairo, Egypt
SOURCE: Tetrahedron Letters (1974), (15), 1355-6
CODEN: TELEAY; ISSN: 0040-4039
DOCUMENT TYPE: Journal
LANGUAGE: English
GI For diagram(s), see printed CA Issue.
AB The spirans I-IV were prepared (38-49%) from tetrachloro- or -bromo-o-benzoquinone by treatment with the appropriate benzothiazine-4-thione in PhMe. Treatment of I-III with p-R2C6H4NH (R2 = H, MeO, Cl) gave 64-78% of the quinazoline-4-thiones V; analogous products were obtained with PhNHNH2.
IT 13961-57-4P 53628-22-1P 53628-25-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 13961-57-4 CAPLUS
CN 4(3H)-Quinazolinethione, 2-phenyl-3-(phenylamino)- (CA INDEX NAME)

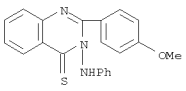


RN 53628-22-1 CAPLUS
CN 4(3H)-Quinazolinethione, 2-(4-methylphenyl)-3-(phenylamino)- (CA INDEX NAME)



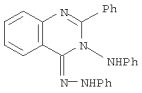
RN 53628-25-4 CAPLUS
CN 4(3H)-Quinazolinethione, 2-(4-methoxyphenyl)-3-(phenylamino)- (CA INDEX NAME)

L4 ANSWER 69 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



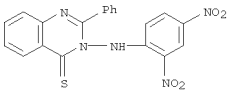
L4 ANSWER 70 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1973:505166 CAPLUS
DOCUMENT NUMBER: 79:105166
ORIGINAL REFERENCE NO.: 79:17054h,17055a
TITLE: Reactions of 2-phenyl-4H-3,1-benzothiazine-thione under Friedel-Crafts and grignard conditions
AUTHOR(S): Sammour, A.; Selim, M. I.; Fahmy, A. F. M.; Elewa, K.
CORPORATE SOURCE: Fac. Sci., Ain Shams Univ., Cairo, Egypt
SOURCE: Indian Journal of Chemistry (1973), 11(5), 437-9
CODEN: IJOCAP; ISSN: 0019-5103
DOCUMENT TYPE: Journal
LANGUAGE: English
GI For diagram(s), see printed CA Issue.
AB The reactions of 2-phenyl-4H-3,1-benzothiazine-4-thione (I) with aromatic hydrocarbons ArH (Ar = Ph, 4-MeOC6H4) under the conditions of Friedel-Crafts reaction and with Grignard reagents, RMgX(R = Me, Et, Ph); give the ring opened products 2-ArSCC6H4N:CPhAr and 2-HOCR2C6H4NHCSPh, resp. The quinazoline-4-thiones (II) were obtained by reaction of I with aromatic and aliphatic amines R1NH2(R1 = 2-, 3-, 4-MeC6H4; 2-MeOC6H4, HOCH2CH2, etc.) or NH2OH. I reacts with piperidine to give 0-thiobenzamidothiobenzoic acid (III), whereas with NH2NH2.H2O and PhNHNH2 the products obtained are 3-amino-4-quinazolone hydrazones IV (R2 = H, Ph). The reaction of I with 2,4-dinitrophenylhydrazine give II (R1 = 2,4-(O2N)2C6H3NH). The reaction of I with diazomethane and diphenyldiazomethane gives ethylene sulfides V (R3 = H, Ph). With copper bronze VI is obtained.
IT 49699-45-8P 49699-46-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 49699-45-8 CAPLUS
CN 4(3H)-Quinazolinone, 2-phenyl-3-(phenylamino)-, 2-phenylhydrazone (CA INDEX NAME)



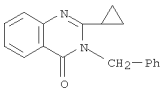
RN 49699-46-9 CAPLUS
CN 4(3H)-Quinazolinethione, 3-[(2,4-dinitrophenyl)amino]-2-phenyl- (CA INDEX NAME)

L4 ANSWER 70 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

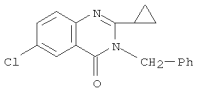


L4 ANSWER 71 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN

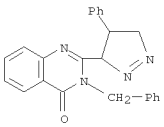
ACCESSION NUMBER: 1973:72047 CAPLUS
DOCUMENT NUMBER: 78:72047
ORIGINAL REFERENCE NO.: 78:11453a,11456a
TITLE: 3-Aryl-2-cyclopropyl-4(3H)-quinazolinones
AUTHOR(S): Somasekhara, S.; Dighe, V. S.; Gokhale, S. V.
CORPORATE SOURCE: Sarabhai Res. Cent., Baroda, India
SOURCE: Indian Journal of Pharmacy (1972), 34(5), 121-2
CODEN: IJPAAO; ISSN: 0019-5472
DOCUMENT TYPE: Journal
LANGUAGE: English
GI For diagram(s), see printed CA Issue.
AB Twenty cyclopropylquinazolinones (I; R = Ph, o-MeC6H4, p-MeOC6H4, PhCH2, etc.; R1 = H, Cl) were prepared by condensing o-aminobenzanilide derivs. with cyclopropanecarboxylic acid or N-cyclopropylcarbonylanthranilic acid with aromatic amines, in pyridine with PCl3. At 100 mg/kg I (R = o-MeC6H4) produced hypoactivity and atasia in mice. The ED50 of I (R = m-MeOC6H4) against electroshock convulsions in mice was 75 mg/kg.
IT 40057-10-1P 40057-18-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 40057-10-1 CAPLUS
CN 4(3H)-Quinazolinone, 2-cyclopropyl-3-(phenylmethyl)- (CA INDEX NAME)



RN 40057-18-9 CAPLUS
CN 4(3H)-Quinazolinone, 6-chloro-2-cyclopropyl-3-(phenylmethyl)- (CA INDEX NAME)

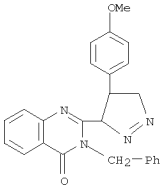


L4 ANSWER 72 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1972:552103 CAPLUS
DOCUMENT NUMBER: 77:152103
ORIGINAL REFERENCE NO.: 77:25011a,25014a
TITLE: Action of carbonyl reagents and diazomethane on 2-styryl-3,1-benzoxazin-4-ones and 2-styryl-3-alkylquinazolin-4-ones. II
AUTHOR(S): Nosseir, M. H.; Messiha, N. N.; Gabra, G. G.
CORPORATE SOURCE: Polym. Pigm. Lab., Natl. Res. Cent., Cairo, Egypt
SOURCE: United Arab Republic Journal of Chemistry (1971), Volume Date 1970, 13(4), 379-90
CODEN: UAJCAZ; ISSN: 0372-3704
DOCUMENT TYPE: Journal
LANGUAGE: English
GI For diagram(s), see printed CA Issue.
AB 2-Methyl-3,1-benzoxazin-4-one (I, R = Me) boiled with p-ClC6H4CHO gave I (R = p-ClC6H4CH:CH). Refluxing I (R = C6H4CH:CH) with NH2OH-HCl and NaOAc gave o-(cinnamoylamino)benzoic acid (II). Similarly, I (R = p-MeOC6H4CH:CH) gave the corresponding II. Boiling 2-methyl-3-alkylquinazolin-4-one with p-ClC6H4CHO gave the 2-p-chlorostyryl-3-alkylquinazolin-4-ones (III). NH2OH reacted with III (R = Ph, R1 = Bu, PhCH2) in EtOH to give quinazolin-4-one oximes (IV). N2H4 and I (R = PhCH:CH, p-MeOC6H4CH:CH, p-ClC6H4CH:CH) in alc. solution gave the o-(RCH:CHCONH)C6H4CONHNH2 (V). Heating V above their m.p.s gave III (R1 = NH2). N2H4 reacted with III (R = Ph) to give the triazole derivs. (VI). CH2N2 and III gave the 2-(4-arylpyrazolinyl)-3-alkylquinazolin-4-one derivs. (VII), which, when heated above their m.ps., gave α-(methylstyryl)-quinazolin-4-one derivs. (VIII).
IT 37665-36-4P 37665-39-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 37665-36-4 CAPLUS
CN 4(3H)-Quinazolinone, 2-(4,5-dihydro-4-phenyl-3H-pyrazol-3-yl)-3-(phenylmethyl)- (CA INDEX NAME)

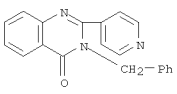


RN 37665-39-7 CAPLUS
CN 4(3H)-Quinazolinone, 2-[4,5-dihydro-4-(4-methoxyphenyl)-3H-pyrazol-3-yl]-3-(phenylmethyl)- (CA INDEX NAME)

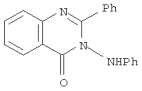
L4 ANSWER 72 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



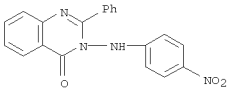
L4 ANSWER 73 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1972:535129 CAPLUS
DOCUMENT NUMBER: 77:135129
ORIGINAL REFERENCE NO.: 77:22177a,22180a
TITLE: Pharmacology of some new 4-(3H) quinazolinones. II. Effect on reproduction, blood pressure, and respiration
AUTHOR(S): Saksena, S. K.; Somasekhara, S.
CORPORATE SOURCE: Sarabhai Res. Cent. Wadi Wadi, Baroda, India
SOURCE: Indian Journal of Medical Research (1913-1988) (1972), 60(2), 284-6
CODEN: IJMRAQ; ISSN: 0019-5340
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Among 20 quinazolinones fed to rats at 30.0 mg/kg/day on days 1-7 of pregnancy, 2-methyl-3-(4-hydroxy-2-methylphenyl)-4(3H)-quinazolinone (I) [5060-52-6] showed the greatest antifertility activity, causing 60% inhibition of pregnancy. 2-Methyl-3-(2-hydroxy-4-methylphenyl)-4(3H)-quinazolinone [36556-91-9] inhibited pregnancy by 40%, and 3 other compds. by 20%.
IT 38781-92-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 38781-92-9 CAPLUS
CN 4(3H)-Quinazolinone, 3-(phenylmethyl)-2-(4-pyridinyl)- (CA INDEX NAME)



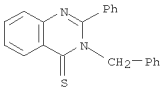
L4 ANSWER 74 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1972:514352 CAPLUS
DOCUMENT NUMBER: 77:114352
ORIGINAL REFERENCE NO.: 77:18841a,18844a
TITLE: Synthesis of some 4H-3,1-benzoxazin-4-ones and 4-quinazolones and their reaction with hydrazines
AUTHOR(S): Sammour, A.; Selim, M. I. B.; Abdo, M. Anwar
CORPORATE SOURCE: Fac. Sci. Eng., Ain Shams Univ., Cairo, Egypt
SOURCE: United Arab Republic Journal of Chemistry (1971), 14(2), 197-205
CODEN: UAJCAZ; ISSN: 0372-3704
DOCUMENT TYPE: Journal
LANGUAGE: English
GI For diagram(s), see printed CA Issue.
AB Heating 2-methyl-4H-3,1-benzoxazin-4-one (I) with aldehydes and ZnCl2 gave (II) (R = Ph, p-MeOC6H4, p-HOC6H4, 3,4-CH2O2C6H3, CH:CHMe, CH:CHPh). Similarly, condensation of anthranilic acid, in pyridine, with unsatd. acid chlorides (cinnamoyl-, p-methoxycinnamoyl-, p-hydroxycinnamoyl-, and 3,4-methylenedioxycinnamoyl chlorides) gave II. Heating 2-phenyl-4H-3,1-benzoxazin-4-one with primary aromatic amines and ZnCl2 gave quinazolone (III, R = p-MeC6H4, m-MeC6H4, o-MeC6H4, p-MeOC6H4, o-MeOC6H4, p-ClC6H4, m-ClC6H4, o-ClC6H4, p-O2NC6H4, p-HOC6H4, p-HO2CC6H4, o-HO2CC6H4, 1-naphthyl, 2-naphthyl, R1 = Ph). Similarly, condensation of II and I with primary aromatic amines gave IV and III, (R1 = Me) resp. Refluxing 0.01 mole I or II with 0.01 mole N2H4, PhNHNH2, p-nitrophenyl hydrazine, 2,4-dinitrophenyl hydrazine, or semicarbazide. HCl gave 3-amino-4-quinazolones.
IT 37895-88-8P 37895-95-7P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 37895-88-8 CAPLUS
CN 4(3H)-Quinazolinone, 2-phenyl-3-(phenylamino)- (CA INDEX NAME)



RN 37895-95-7 CAPLUS
CN 4(3H)-Quinazolinone, 3-[(4-nitrophenyl)amino]-2-phenyl- (CA INDEX NAME)

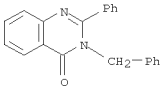


L4 ANSWER 75 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1970:55397 CAPLUS
DOCUMENT NUMBER: 72:55397
ORIGINAL REFERENCE NO.: 72:10141a,10144a
TITLE: Action of secondary amines on 3,1-benzothiazine-4-thiones
AUTHOR(S): Denis-Garez, Catherine; Legrand, Louis; Lozac'h, Noel
CORPORATE SOURCE: Fac. Sci. Caen, Caen, Fr.
SOURCE: Bulletin de la Societe Chimique de France (1969), (10), 3727
CODEN: BSCFAS; ISSN: 0037-8968
DOCUMENT TYPE: Journal
LANGUAGE: French
GI For diagram(s), see printed CA Issue.
AB I are treated with dialkylamines in C6H6 to give 2-(thioaroylamino)thiobenzamides (II). I are treated with dialkylamines and (PhCH2)2NH in EtOH to give quinazolinethiones (III).
IT 27561-96-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 27561-96-2 CAPLUS
CN 4(3H)-Quinazolinethione, 2-phenyl-3-(phenylmethyl)- (CA INDEX NAME)



L4 ANSWER 76 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1968:477226 CAPLUS
DOCUMENT NUMBER: 69:77226
ORIGINAL REFERENCE NO.: 69:14447a,14450a
TITLE: Synthesis of 2,3-diaryl-substituted 4-quinazolones with polyphosphoric acid
AUTHOR(S): Petyunin, P. A.; Kozhevnikov, Yu. V.; Berdinskii, I. S.
CORPORATE SOURCE: USSR
SOURCE: Uchenye Zapiski - Permskii Gosudarstvennyi Universitet imeni A. M. Gor'kogo (1966), No. 141, 309-12
From: Ref. Zh., Khim. 1967, Abstr. No. 24Zh457
CODEN: UPGGAZ; ISSN: 0372-4514
DOCUMENT TYPE: Journal
LANGUAGE: Russian
GI For diagram(s), see printed CA Issue.
AB In the presence of polyphosphoric acid and 2-RCONHC6H4CO2H (I, where R is Ph, PhCH2) or II and various primary amines (R1NH2) III were obtained, some of which showed a soporific action. I were obtained according to R. E. Steiger's method (1944). Polyphosphoric acid (10 g.), 0.04 mole I (R = PhCH2), and 0.06 mole of PhNH2 was heated for 1 hr. at 185-95°; the mixture was cooled and 80 ml. H2O was added; the mixture was neutralized with soda and, after 24 hrs., 40% III (R = PhCH2, R1 = Ph), m. 109-10° (EtOH), was isolated. III (R = Ph) were obtained similarly (R1, % yield, and m.p. given): Ph, 60.5, 158-9°; o-MeC6H4, 53.7, 142-3°; p-MeC6H4, 63, 176-7°; p-ClC6H4, 60.3, 189-90° (EtOH); m-ClC6H4, 50, 162-4° (EtOH); o-ClC6H4, 48.3, 140-1° (EtOH); PhCH2, 53, 137-9° (Me2CO); p-EtOC6H4, 58.5, 163-4°; p-MeOC6H4, 51, 200°; 2,4-Me2C6H3, 51, 133-4°; o-MeOC6H4, 41, 160-1°; m-MeC6H4, 64, 146-7°; 2-naphthyl, 58, 178-9°. III (R = PhCH2) were similarly prepared (data as above): p-ClC6H4, 49, 115-17° (EtOH); o-MeC6H4, 33, 114-15° (EtOH); m-MeC6H4, 35, 94-5° (EtOH); p-MeC6H4, 45, 120-1° (EtOH); PhCH2, 47, 94-5° (EtOH); 4,2-BrMeC6H3, 30, 148-9° (EtOH); o-MeOC6H4, 38, 127-8° (EtOH); p-MeOC6H4, 30, 110-12° (EtOH); p-EtOC6H4, 45, 133-4° (EtOH). Polyphosphoric acid (3 g.), 0.01 mole of II (R = PhCH2), and 0.015 mole of PhNH2 was heated 40 min. at 160°, was treated as shown above, and 50% III (R = PhCH2, R1 = Ph) was obtained. III (R = Ph) were similarly obtained (data as above): m-O2NC6H4, 60, 199-200°; p-BrC6H4, 62, 208-9° (C6H6); 4,2-BrMeC6H3, 67, 159-60° (EtOH); III (R = PhCH2) were also prepared (data as above): p-BrC6H4, 52, 124-5° (EtOH); o-ClC6H4, 40, 104-5° (aqueous alc.).
IT 19857-37-5P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 19857-37-5 CAPLUS
CN 4(3H)-Quinazolinone, 2-phenyl-3-(phenylmethyl)- (CA INDEX NAME)

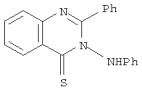
L4 ANSWER 76 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



L4 ANSWER 77 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1967:115731 CAPLUS
DOCUMENT NUMBER: 66:115731
ORIGINAL REFERENCE NO.: 66:21511a,21514a
TITLE: 3H-Quinazoline-4-thiones
INVENTOR(S): Legrand, M. L.
PATENT ASSIGNEE(S): Gudin, Olivier P.
SOURCE: Fr., 4 pp.
CODEN: FRXXAK
DOCUMENT TYPE: Patent
LANGUAGE: French
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

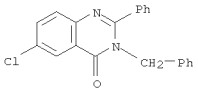
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
FR 1451163		19660902	FR	19600713

GI For diagram(s), see printed CA Issue.
AB The title compds. (I), where R is H, or a aliphatic, heterocyclic or aromatic group, X is H, or an alkyl, aryl NH2, HO, alkylamino, arylamino, or ureido group and Y is H or is represented by one or more groups chosen from halogens or alkyl groups are prepared from 3,1-benzothiazine-4-thione, (II), and XNH2. I possess analgesic antiinflammatory, hypnotic, antibacterial, and antifungal activity. Thus, a stream of dry NH3 is passed through a boiling alc. solution of 2-methyl-3,1-benzothiazine-4-thione (III). The color changes from red to yellow and the mixture concentrated to yield yellow needles of 2-methyl-3H-quinazoline-4-thione, m. 219° (C6H6-EtOH). A mixture of 17.9 g. III and 7.3 g. BuNH2 is heated to boiling until no more H2S is evolved and cooled to yield 3-butyl-3H-quinazoline-4-thione, m. 61° (from EtOH). I prepared were (R, X, Y, and m.p. given): Me, Bu, H, 65° (EtOH); Ph, H, H, 227° (C6H6); Ph, Ph, H, 208° (C6H6-MeOH); Me, o-MeC6H4H, 128° (C6H12); Et, o-MeC6H4H, 122°; Me, p-MeOC6H4, H, 153° (EtOH-C6H6); Ph, H, 6-Cl, 243°; Ph, OH, H, 148° (EtOH-C6H6); Ph, OH, 6-Cl, 169.5°; Ph NH2, H, 177° (EtOH); Ph, NH2, 6-Cl, 173°; Ph, NHC6H5, H, 137°; Ph, NHCONH2, H, 224°.
IT 13961-57-4P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 13961-57-4 CAPLUS
CN 4(3H)-Quinazolinethione, 2-phenyl-3-(phenylamino)- (CA INDEX NAME)

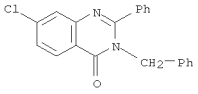


L4 ANSWER 78 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1966:447693 CAPLUS
DOCUMENT NUMBER: 65:47693
ORIGINAL REFERENCE NO.: 65:8906d-g
TITLE: Reactivity of aryl substituted 4H-3,1-benzoxazones. I.
Synthesis of 2-methyl- and 2-phenyl-6 (and 7)-chloro-4-oxoquinazolines
AUTHOR(S): Desai, D. R.; Patel, V. S.; Patel, S. R.
CORPORATE SOURCE: Sardar Vallabhbhai Vidyapeeth, Vallabh Vidyanagar
SOURCE: Journal of the Indian Chemical Society (1966), 43(5), 351-5
CODEN: JICSAH; ISSN: 0019-4522
DOCUMENT TYPE: Journal
LANGUAGE: English
GI For diagram(s), see printed CA Issue.
AB 5-Chloro-N-acetylanthranilic acid (4 g.) and 6 ml. Ac2O refluxed 10 min. deposited on cooling 3 g. I (+ = 6-Cl, R = Me) (II), m. 123-5° (petroleum ether). I similarly prepared were (X, R, and m.p. given): 7-Cl, Me (III), 145° (Ac2O); 6-Cl, Ph (IV), 195-7° (EtOAc), 7-Cl, Ph (V), 192° (EtOAc). I suspended in 5 times its volume of liquid NH3 or amine solution at 0° kept overnight at the required reaction temperature, and the solution diluted with H2O or, in the case of aromatic amines, 5% HCl afforded VI. The following VI were prepared (X, R, R', reaction temperature, and m.p. given): 5-Cl, Me, H, 30° 1956°; 5-Cl, Me, Me, 30°, 202-3°; 5-Cl, Me, PhCH2, 30° 156-7° 5-Cl, Me, Ph, 0° 123-5°; 4-Cl, Me, H, 0°, 201-2°; 4-Cl, Me, Me, 0° 183-5° 4-Cl, Me, PhCH2, 0° 208-10°; 4-Cl, Me, Ph, 0° 106-8°; 5-Cl, Ph, H, 100° 270-2°; 5-Cl, Ph, PhCH2, 100° 167-8°; 5-Cl, Ph, Ph, 100°, 225-0°; 5-Cl, Ph, p-MeOCOC6H4, 100°, 195-6°; 4-Cl, Ph, H, 100°, 250°; 4-Cl, Ph, PhCH2, 100°, 162-3°; 4-Cl, Ph, Ph, 100°, 228-9°; 4-Cl, Ph, p-MeOC6H4, 100°, 204-5°. VI derived from II underwent cyclodehydration giving the appropriate VII when the above reaction mixture was boiled, while VI derived from III cyclodehydrated at room temperature VI derived from either IV or V were cyclodehydrated by either treatment with hot dilute alkali, or by heating the compound at ca. 10° above its m.p. The substituted 4-ketoquinazolines (VII) thus prepared were (X, R, R', and m.p. given): 6-Cl, Me, H, 282-4°; 6-Cl, Me, Me, 151-2°; 6-Cl, Me, PhCH2, 131-2°; 6-Cl, Me, Ph, 180-1°; 7-Cl, Me, H, 262-3°; 7-Cl, Me, Me, 149-50°; 7Cl, Me, PhCH2, 115-16°; 7-Cl, Me, Ph, 173-5°; 6-Cl, Ph, H, 294-5°; 6-Cl, Ph, PhCH2, 116-18°; 6-Cl, Ph, Ph, 175-6°; 6-Cl, Ph, p-MeOC6H4, 221-3°; 7-Cl, Ph, H, 292°; 7-Cl, Ph, PhCH2, 91-3°; 7-Cl, Ph, Ph, 180-1°; 7-Cl, Ph, p-MeOC5H4, 150-2°.
IT 7012-92-2P, 4(3H)-Quinazolinone, 3-benzyl-6-chloro-2-phenyl-
7012-95-5P, 4(3H)-Quinazolinone, 3-benzyl-7-chloro-2-phenyl-
RL: PREP (Preparation)
(preparation of)

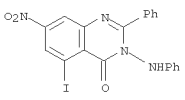
L4 ANSWER 78 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
RN 7012-92-2 CAPLUS
CN 4(3H)-Quinazolinone, 6-chloro-2-phenyl-3-(phenylmethyl)- (CA INDEX NAME)



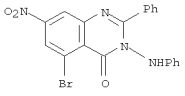
RN 7012-95-5 CAPLUS
CN 4(3H)-Quinazolinone, 7-chloro-2-phenyl-3-(phenylmethyl)- (CA INDEX NAME)



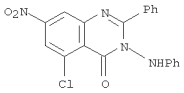
L4 ANSWER 79 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1964:90857 CAPLUS
DOCUMENT NUMBER: 60:90857
ORIGINAL REFERENCE NO.: 60:15868f-h
TITLE: Synthesis and properties of pyrrolo[1,2-α]quinoxalines
AUTHOR(S): Taylor, Edward C.; Cheeseman, Gordon W. H.
CORPORATE SOURCE: Princeton Univ., Princeton, NJ
SOURCE: Journal of the American Chemical Society (1964), 86(9), 1830-5
CODEN: JACSAT; ISSN: 0002-7863
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
OTHER SOURCE(S): CASREACT 60:90857
GI For diagram(s), see printed CA Issue.
AB Fusion of maleic anhydride with 2-methyl-3-phenylquinoxaline gives 2-carboxymethyl-4-phenylpyrrolo[1,2-α]quinoxalin-1(5H)-one (I). Decarboxylation of I gives 2-methyl-4-phenylpyrrolo-[1,2-α]quinoxalin-1-(5H)-one, the constitution of which is established independently by its synthesis in five steps from 2-methyl-3-phenylquinoxaline 1-oxide. Cyclodehydration of β-quinoxalylpropanoic acids with H2SO4-Ac2O, polyphosphoric acid, or POCl3 is a useful and general synthetic route to the pyrrolo[1,2-α]quinoxaline system. Chemical reactions and the ultraviolet and nuclear magnetic resonance spectra of the compds. are discussed.
IT 94550-79-5P, 4(3H)-Quinazolinone, 3-anilino-5-iodo-7-nitro-2-phenyl- 95429-79-1P, 4(3H)-Quinazolinone, 3-anilino-5-bromo-7-nitro-2-phenyl- 95429-92-8P, 4(3H)-Quinazolinone, 3-anilino-5-chloro-7-nitro-2-phenyl-
RL: PREP (Preparation)
(preparation of)
RN 94550-79-5 CAPLUS
CN 4(3H)-Quinazolinone, 5-iodo-7-nitro-2-phenyl-3-(phenylamino)- (CA INDEX NAME)



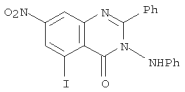
RN 95429-79-1 CAPLUS
CN 4(3H)-Quinazolinone, 5-bromo-7-nitro-2-phenyl-3-(phenylamino)- (CA INDEX NAME)



L4 ANSWER 79 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
RN 95429-92-8 CAPLUS
CN 4(3H)-Quinazolinone, 5-chloro-7-nitro-2-phenyl-3-(phenylamino)- (CA INDEX NAME)

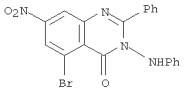


L4 ANSWER 80 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1964:90856 CAPLUS
DOCUMENT NUMBER: 60:90856
ORIGINAL REFERENCE NO.: 60:15868e-f
TITLE: Behavior of halogenated nitrobenzenes with β-diketones. V. Benzoyl derivatives of substituted anthranils and their conversion to quinazolones
AUTHOR(S): Gambhir, I. R.; Joshi, S. S.
CORPORATE SOURCE: Meerut Coll.
SOURCE: Journal of the Indian Chemical Society (1964), 41(1), 47-51
CODEN: JICSAH; ISSN: 0019-4522
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
GI For diagram(s), see printed CA Issue.
AB IIIa, IIIb, and IIIc on benzoylation in pyridine at 130° 3 hrs. afforded the corresponding N-benzoylanthranilic acids IVa, m. 261°, 38% yield, IVb, m. 255°, 38% yield, and IVc, m. 251°, 33% yield, and 4-nitrobenzoylanthranil (Va), m. 189°, 53% yield, Vb, m. 190°, 55% yield, and Vc, m. 184°, 49% yield, resp. Va, Vb, and Vc on treatment with dry NH3 gave the amides VIa, m. 240°, 81% yield, VIb, m. 245, 82% yield, and VIc, m. 257 72% yield; the latter on heating above their m.ps. cyclized to the corresponding 2-phenylquinazolones VIIa, m. 311°, 53% yield, VIIb, m. 318°, 51% yield, and VIIc, m. 321°, 46% yield. In addition to this, several substituted derivs. of VI and VII were also prepared
IT 94550-79-5P, 4(3H)-Quinazolinone, 3-anilino-5-iodo-7-nitro-2-phenyl- 95429-79-1P, 4(3H)-Quinazolinone, 3-anilino-5-bromo-7-nitro-2-phenyl- 95429-92-8P, 4(3H)-Quinazolinone, 3-anilino-5-chloro-7-nitro-2-phenyl-
RL: PREP (Preparation)
(preparation of)
RN 94550-79-5 CAPLUS
CN 4(3H)-Quinazolinone, 5-iodo-7-nitro-2-phenyl-3-(phenylamino)- (CA INDEX NAME)

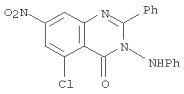


RN 95429-79-1 CAPLUS
CN 4(3H)-Quinazolinone, 5-bromo-7-nitro-2-phenyl-3-(phenylamino)- (CA INDEX NAME)

L4 ANSWER 80 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

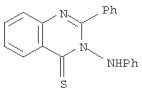


RN 95429-92-8 CAPLUS
CN 4(3H)-Quinazolinone, 5-chloro-7-nitro-2-phenyl-3-(phenylamino)- (CA INDEX NAME)

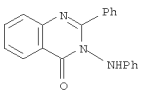


L4 ANSWER 81 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1962:60600 CAPLUS
DOCUMENT NUMBER: 56:60600
ORIGINAL REFERENCE NO.: 56:11591i,11592a-e
TITLE: Heterocyclic sulfur compds. IV. 3-Amino - 3H-quinazolln-4-thiones and 3-amino-3H-quinazolin-4-ones
AUTHOR(S): Legrand, Louis; Lozach, Noel
SOURCE: Bulletin de la Societe Chimique de France (1961) 1400-4
CODEN: BSCFAS; ISSN: 0037-8968
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
OTHER SOURCE(S): CASREACT 56:60600
AB cf. CA 55, 11420f, 17636e.-N2H4.H2O was added dropwise to a red saturated alc.
solution of 3,1-benzothiazin-4-thione until the solution turned yellow. It was
faltered and concentrated Crystalline 3,-amino-3H-quinazoline-4-thione (I) was
collected and recrystd. from EtOH. The following substituted I were prepared (position, substituent, and m.p. given): 2-Et, 121°; 2-isopropyl, 121°; 2-tert-Bu, 132°; 2-benzyl, 129°; 2-Ph, 177.5° 2-o-tolyl, 175.5°; 2-p-tolyl, 175.5°; 2-p-methoxyphenyl, 164.5°; 2-o-chlorophenyl, 146°; 2-p-chlorophenyl, 201°; 2-o-nitrophenyl, 171°; 2,6- PHCl, 173°; 2-α-naphthyl, 210°; 2-β-naphthyl, 172°. Refluxing 3 hrs. 2.5 g. 3-amino-2-phenyl-3H-quinazolin-4-thione and 1 g. of AcCl in 50 ml. anhydrous C6H6 followed by chromatography
on Al2O3 and recrystn. of the product from EtOH yielded the 3-acetylamino derivative, m. 229°. A saturated alc. solution of 3,1-benzothiazin-4-one was
refluxed a few min. with a slight excess of N2H4.H2O. The solution was filtered and concentrated The crystalline 3-amino-3H-quinazolin-4-one (II) was
collected and recrystd. from EtOH. The following substituted II were prepared (same data as before): 2-Me 149.5°; 2-Ph, 182.5°; 2-p-tolyl, 164.5°; 2-p-methoxy- phenyl, 185°; 2-o-chlorophenyl, 153.5°; 2-α-naphthyl, 211°; 2-β-naphthyl, 220°. Refluxing the 3-amino-2-phenyl-3H-quinazolin-4-one and P2S 5 in xylene yielded 3-amino-2- phenyl-3H-quinazolin - 4 - thione. By adding phenylhydrazine to a hot saturated solution
of 3,1-benzothiazine-4-thione, until the color changed from red to orange it was possible to prepare the following substituted 3-PhNH analogs of I (same data as before): 2-Ph, 137°; 2-p-methoxyphenyl, 143°; 2-o-chlorophenyl, 134;° 2-p-chlorophenyl, 176°; 2-α-naphthyl, 199°; 2-β-naphthyl, 198°. From equimolar amts. of phenylhydrazine and 3,1-benzothiazin-4-one heated to 160-80° until evolution of H2S stopped and crystallization of the crude product from alc. the following compds. were prepared (same data as before):
2-Me, 209°, 2-Ph, 162 then 182°; 2-p-chlorophenyl, 190°: 2-p-methoxyphenyl, 174°. A saturated solution of 2 g. semicarbazide-HCl and 3 g. NaOAc was added dropwise to a hot saturated alc.
solution of 3,1-benzothiazine-4-thione until the solution turned from red to
yellow. The 3-ureido-3H-quinazoline-4-thione (III) m. 213°, was

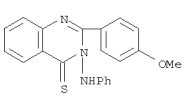
L4 ANSWER 81 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
pptd. by H2O and crystd. from alc. The following substituted III were prepd. (same data as before): 2-Me, 210°; 2-Et, 227°; 2-Ph, 224°; 2-p-methoxyphenyl, 241°; 2-o-chloro- phenyl, 216°. An alc. soln. of 3,1-benzothiazin-4-one was refluxed 24 hrs. with an excess of semicarbazide-HCl and NaOAc. Addn. of H2O pptd. the 3-ureido-3H-quin-azolin-4-one (IV) which was crystd. from C6H6. The following substituted IV were prepd. (same data as before): 2-Ph, 300;° 2-p-chlorophenyl, 340-5°; 2-p-methoxyphenyl, 311°.
IT 13961-57-4P, 4(3H)-Quinazolinethione, 3-anilino-2-phenyl- 37895-88-8P, 4(3H)-Quinazolinone, 3-anilino-2-phenyl- 53628-25-4P, 4(3H)-Quinazolinethione, 3-anilino-2-(p-methoxyphenyl)- 85094-70-8P, 4(3H)-Quinazolinone, 3-anilino-2-(p-methoxyphenyl)- 88855-47-4P, 4(3H)-Quinazolinethione, 3-anilino-2-(1-naphthyl)- 88855-48-5P, 4(3H)-Quinazolinethione, 3-anilino-2-(2-naphthyl)- 94551-52-7P, 4(3H)-Quinazolinone, 3-anilino-2-(p-chlorophenyl)- 95866-39-0P, 4(3H)-Quinazolinethione, 3-anilino-2-(o-chlorophenyl)- 95866-40-3P , 4(3H)-Quinazolinethione, 3-anilino-2-(p-chlorophenyl)-
RL: PREP (Preparation)
(preparation of)
RN 13961-57-4 CAPLUS
CN 4(3H)-Quinazolinethione, 2-phenyl-3-(phenylamino)- (CA INDEX NAME)



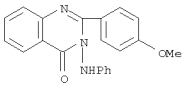
RN 37895-88-8 CAPLUS
CN 4(3H)-Quinazolinone, 2-phenyl-3-(phenylamino)- (CA INDEX NAME)



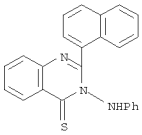
RN 53628-25-4 CAPLUS
CN 4(3H)-Quinazolinethione, 2-(4-methoxyphenyl)-3-(phenylamino)- (CA INDEX NAME)



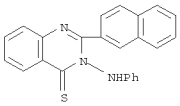
L4 ANSWER 81 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
RN 85094-70-8 CAPLUS
CN 4(3H)-Quinazolinone, 2-(4-methoxyphenyl)-3-(phenylamino)- (CA INDEX NAME)



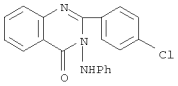
RN 88855-47-4 CAPLUS
CN 4(3H)-Quinazolinethione, 2-(1-naphthalenyl)-3-(phenylamino)- (CA INDEX NAME)



RN 88855-48-5 CAPLUS
CN 4(3H)-Quinazolinethione, 2-(2-naphthalenyl)-3-(phenylamino)- (CA INDEX NAME)

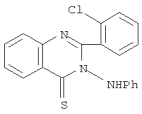


RN 94551-52-7 CAPLUS
CN 4(3H)-Quinazolinone, 2-(4-chlorophenyl)-3-(phenylamino)- (CA INDEX NAME)

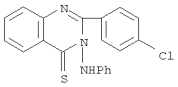


L4 ANSWER 81 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)

RN 95866-39-0 CAPLUS
CN 4(3H)-Quinazolinethione, 2-(2-chlorophenyl)-3-(phenylamino)- (CA INDEX NAME)



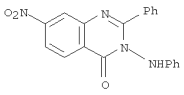
RN 95866-40-3 CAPLUS
CN 4(3H)-Quinazolinethione, 2-(4-chlorophenyl)-3-(phenylamino)- (CA INDEX NAME)



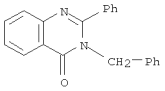
L4 ANSWER 82 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1962:46031 CAPLUS
DOCUMENT NUMBER: 56:46031
ORIGINAL REFERENCE NO.: 56:8715e-i,8716a-c
TITLE: Behavior of halogenated nitrobenzenes with β-diketones. II. 6-Nitroanthranil from 2,4-dinitrophenylacetone
AUTHOR(S): Joshi, S. S.; Gambhir, I. R.
CORPORATE SOURCE: Meerut Coll., India
SOURCE: Journal of Organic Chemistry (1961), 26, 3714-17
CODEN: JOCEAH; ISSN: 0022-3263
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB cf. CA 50, 14718a. --6-Nitroanthranil (I), formed by the action of concentrated H2SO4 on 2,4-dinitrophenyhcetone (II), was further characterized. Like anthranil (III), I added to HgCl2 and could be acetylated and benzoylated, but unlike III it formed indazole derivs. with PhNH2 (IV), PhNHNH2 (V), and N2H4 acetate (VI). The acyl derivs. could be transformed into o-acylaminobenzamides and subsequently to quinazolone derivs. I (0.5 g., from II) in 5 ml. alc. and 1.3 g. HgCl2 in 15 ml. alc. refluxed 1 hr. gave 0.95 g. I.HgCl2, yellow needles, m. 158° (alc.). I (0.5 g.), 6 ml. Ac2O, and 0.1 g. Zn(OAc)2 in 2 ml. AcOH refluxed 4 hrs. and the product crystallized gave 0.3 g. 4-nitroacetanthranil (VII), yellow cubes, m. 138° (AcOH). The mother liquor gave more VII and 0.2 g. 4-nitro-N-acetylanthranilic acid, m. 217° (AcOH). I (0.5 g.), 4 ml. BzCl, and a few drops of C5H5N heated 3 hrs. at 130° gave 0.44 g. 4-nitrobenzoylanthranil (VIII), m. 179° (AcOH). The mother liquors from VIII gave 0.32 g. 4-nitro-N-benzoylanthranilic acid (IX), m. 252° (dilute alc.). 4-Nitroanthranilic acid (1 g.), 8 ml. BzCl, and a few drops of C5H5N heated 3 hrs. at 130° gave 0.82 g. VIII and 0.61 g. IX. VIII (0.5 g.)u in 10 ml. alc. refluxed with addition of dry NH3 gave 0.46 g. 4-nitro-2-benzoylaminobenzamide (X), m. 230°. Treating with HNO2, warming with dilute NaOH, and acidifying gave IX. X (0.5 g.) heated 0.5 hr. at 250° gave 0.28 g. 7-nitro-2-phenyl-4-quinazolone, m. 329°, VIII (0.5 g.) and 3 ml. IV heated 2 hrs. at 150° gave 0.48 g. 4-nitro-2-benzoylaminobenzanilide (XI), m. 228° (AcOH). XI (0.5 g.) heated 0.5 hr. at 250° gave 0.25 g. 7-nitro-2,3diphenyl-4-quinazolone, m. 180°. VIII (0.5 g.) and 4 ml. V heated 2 hrs. gave 0.51 g. 4-nitro-2-benzoylaminobenzoyl-phenylhydrazine (XII), m. 185° (dilute alc.). XII (0.4 g.) heated 1 hr. at 220°, extracted with alc., and treated with C gave 0.18 g. 3-anilino-7-nitro-2-phenyl-4-quinazolone, m. 151°. The following o-acylaminobenzanilides were obtained from VIII and aromatic amino compds. (acyl group, m.p., color of product, and % yield given): o-toluidide, 205°, slate, 68; m-toluidide, 202°, yellow, 67; p-toluidide, 232°, colorless, 70; o-chloroanilide, 217°, colorless, 60; m-chloroanilide, 260°, yellow, 62; p-chloroanilide, 236°, gray-yellow, 66; naphthylamide, 263°, colorless, 67; naphthylamide, 244° yellow, 71. The above compds. gave the corresponding 7-nitro-2-phenyl-3-(substituted)-4-quinazolones when heated about 30° above their m.ps. (3-substituent, m.p., color, and % yield given): o-toluidide, 154°, dirty white, 47; m-toluidide, 148°, colorless, 49; p-toluidide, 168°, pale yellow, 50; o-chlorophenyl, 164°, colorless, 39; m-chlorophenyl, 161°,

L4 ANSWER 82 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
buff, 39; p-chlorophenyl, 173°, colorless, 41; naphthyl, 194°, colorless, 50; naphthyl, 205°, colorless, 54. VIII (0.5 g.) in 10 ml. AcOH refluxed with VI 1 hr. gave 0.46 g. 3-amino-7-nitro-2-phenyl-4-quinazolone (XIII), lemon yellow needles, m. 249°; benzoyl deriv., cubes, m. 295° (alc.-EtOAc); acetyl deriv., plates, m. 149° (alc.). 3-Hydroxy-7-nitro-2-phenyl-4-quinazolone was prepd. in 70% yield by the procedure for XIII with NH2OH.HCl, cubes, m. 246° (dil. AcOH); ben-zoyl deriv. m. 273° (dil. alc.); acetyl deriv. m. 157° (dil. AcOH). I (0.5 g.) and 4 ml. IV heated 3 hrs. at 140° gave 0.30 g. 6-nitro-2-phenylindazole, orange yellow needles, m. 325° (AcOH). I (0.5 g.) in 10 ml. AcOH refluxed 2 hrs. with 4 ml. N2H4.H2O gave 0.35 g. 6,6'-dinitro-2,2'-bi-indazolyl, orange needles, m. 324° (EtOAc). I (0.5 g.) and 3 ml. V heated 3 hrs. gave 0.41 g. 6-nitro-2-anilino-indazole, m. 190° (AcOH).
IT 95697-22-6P, 4(3H)-Quinazolinone, 3-anilino-7-nitro-2-phenyl-
RL: PREP (Preparation)
(preparation of)
RN 95697-22-6 CAPLUS

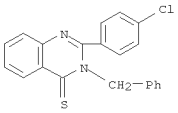
CN 4(3H)-Quinazolinone, 7-nitro-2-phenyl-3-(phenylamino)- (CA INDEX NAME)



L4 ANSWER 83 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1961:59508 CAPLUS
DOCUMENT NUMBER: 55:59508
ORIGINAL REFERENCE NO.: 55:11421a-c
TITLE: Reaction of halopyruvic acid with thiolamines
AUTHOR(S): Hermann, Peter
CORPORATE SOURCE: Univ. Halle, Germany
SOURCE: Chemische Berichte (1961), 94, 442-5
CODEN: CHBEAM; ISSN: 0009-2940
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
GI For diagram(s), see printed CA Issue.
AB BrCH2COCO2H (I) with H2N(CH2)2SH (II) yielded III (R = CO2H) (IV). I (5.0
g.) in 20 cc. H2O treated with cooling with 2.3 g. II while being bubbled with N, the pH adjusted with 6N KOH to 7-8, the mixture kept 15 min., and acidified with 5N HCl yielded 1.8 g. IV, m. 143-4° (decomposition). II (3.5 g.) in 60 cc. dry CHCl3 treated dropwise with cooling and stirring with 6.8 g. I and 7.0 cc. Et3N gave 3.0 g. crude IV. IV (0.5 g.) in 40 cc. H2O refluxed and cooled gave 0.33 g. III (R = H) (V), m. 137-8°. III in MeOH treated with dry HCl and diluted with Et2O gave V.HCl, m. 188° (decomposition). The ultraviolet absorption spectra of IV and 5-carbomethoxy-5,6-dihydro-Δ3,4-1,4-thiazine-3-carboxylic acid were recorded.
IT 19857-37-5 110936-49-7 110936-58-8
(Derived from data in the 6th Collective Formula Index (1957-1961))
RN 19857-37-5 CAPLUS
CN 4(3H)-Quinazolinone, 2-phenyl-3-(phenylmethyl)- (CA INDEX NAME)

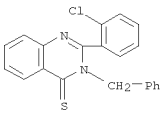


RN 110936-49-7 CAPLUS
CN 4(3H)-Quinazolinethione, 2-(4-chlorophenyl)-3-(phenylmethyl)- (CA INDEX NAME)



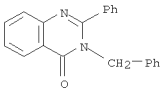
RN 110936-58-8 CAPLUS
CN 4(3H)-Quinazolinethione, 2-(2-chlorophenyl)-3-(phenylmethyl)- (CA INDEX

L4 ANSWER 83 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)
NAME)

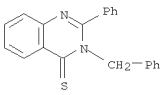


L4 ANSWER 84 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1961:59507 CAPLUS
DOCUMENT NUMBER: 55:59507
ORIGINAL REFERENCE NO.: 55:11420f-i,11421a
TITLE: Heterocyclic sulfur compounds. I. Action of primary amines on 3,1-benzothiazine-4-thiones and 3,1-benzothiazin-4-one
AUTHOR(S): Legrand, Louis; Lozac'h, Noel
CORPORATE SOURCE: Fac. sci., Caen
SOURCE: Bulletin de la Societe Chimique de France (1960) 2088-92
CODEN: BSCFAS; ISSN: 0037-8968
DOCUMENT TYPE: Journal
LANGUAGE: Unavailable
AB A saturated alc.-solution of 3,1-benzothiazine-4-thione and an equimolar quantity
of the amine were refluxed until the initial red color changed to pale yellow. After evaporating 3/4 of its volume, the solution was cooled, and yellow
crystals of 3H-quinazoline-4-thione separated and was recrystd. from ethanol
or ethanol-benzene. For aromatic amines and arylbenzothiazines, the mixture
was heated at 200° without solvent until no more H2S was evolved.
The following 3H-quinazoline-4-thiones with an alkyl or aryl substituent in position 2 or 3 of the heterocyclic nucleus were prepared (substituents
and m.p. given): 3-ethyl, 132°; 3-butyl, 61°; 3-benzyl, 110°; 3-phenyl, 125°; 3-(p-tolyl), 121°; 3-(p-methoxyphenyl), 124.5°; 3-(p-sulfamoylphenyl), 256.5°; 2,3-dimethyl, 100°; 2-methyl-3-ethyl, 109°; 2-methyl-3-butyl, 65°; 2-methyl-3-benzyl, 94.5°; 2-methyl-3-phenyl, 186°; 2-methyl-3-(p-methoxyphenyl), 153°; 2-methyl-3-(p-aminophenyl), 212°; 2-methyl-3-(p-sulfamoylphenyl), 267°; 2-methyl-3(2-diethylaminoethyl), – (oil); 2-ethyl-3-methyl, 110°; 2,3-diethyl, 94°; 2-ethyl-3-phenyl, 123°; 2-ethyl-3-(o-tolyl), 122°; 2-isopropyl-3-ethyl, 56°; 2-isopropyl-3-phenyl, 173°; 2-benzyl-3-methyl, 96°; 2-benzyl-3-ethyl, 129°; 2-benzyl-3-phenyl, 156°; 2-phenyl-3-methyl, 149°; 2-phenyl-3-ethyl, 116°; 2-phenyl-3-butyl, 146°; 2-phenyl-3-benzyl, 165°; 2,3-diphenyl, 208°; 2-phenyl-3-(p-tolyl), 228°; 2-phenyl-3-(p-methoxyphenyl), 215°; 2-phenyl-3-(p-sulfamoyphenyl), 285°; 2-(p-tolyl)3-butyl, 135°; 2-(p-tolyl)-3-benzyl, 126°; 2-(p-methoxyphenyl)-3-butyl, 104°; 2-(p-methoxyphenyl)-3-phenyl, 231°; 2-(o-chlorophenyl)-3-benzyl, 114°; 2-(p-chlorophenyl)-3-benzyl, 143°; 2-(p-chlorophenyl)-3-phenyl, 231°; 2-(α-naphthyl)-3-phenyl, 180°.
IT 19857-37-5P, 4(3H)-Quinazolinone, 3-benzyl-2-phenyl- 27561-96-2P, 4(3H)-Quinazolinethione, 3-benzyl-2-phenyl- 102704-89-2P, 4(3H)-Quinazolinethione, 3-benzyl-2-p-tolyl- 110936-49-7P, 4(3H)-Quinazolinethione, 3-benzyl-2-[p-chlorophenyl]- 110936-58-8P, 4(3H)-Quinazolinethione, 3-benzyl-2-[o-chlorophenyl]-
RL: PREP (Preparation)
(preparation of)
RN 19857-37-5 CAPLUS
CN 4(3H)-Quinazolinone, 2-phenyl-3-(phenylmethyl)- (CA INDEX NAME)

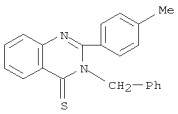
L4 ANSWER 84 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)



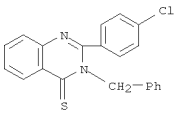
RN 27561-96-2 CAPLUS
CN 4(3H)-Quinazolinethione, 2-phenyl-3-(phenylmethyl)- (CA INDEX NAME)



RN 102704-89-2 CAPLUS
CN 4(3H)-Quinazolinethione, 2-(4-methylphenyl)-3-(phenylmethyl)- (CA INDEX NAME)



RN 110936-49-7 CAPLUS
CN 4(3H)-Quinazolinethione, 2-(4-chlorophenyl)-3-(phenylmethyl)- (CA INDEX NAME)



RN 110936-58-8 CAPLUS
CN 4(3H)-Quinazolinethione, 2-(2-chlorophenyl)-3-(phenylmethyl)- (CA INDEX NAME)

L4 ANSWER 84 OF 84 CAPLUS COPYRIGHT 2009 ACS on STN (Continued)